

PATHWAYS TO CAREERS

CABARRUS COUNTY HIGH SCHOOL CURRICULUM GUIDE

INTRODUCTION

Learning is a lifelong pursuit that prepares people to adapt to the changing needs of the workplace.

Once students reach high school, they begin to complete a phase of their education that has prepared them with the basics of good communication skills, proper use of data and numbers, processing information, problem solving, team work and the use of technology. One of the roles of the high school experience is to help students understand the implications of national workplace trends as well as the local and regional economy. As young people prepare to fulfill their career goals and dreams, they need to be familiar with local opportunities and career pathways. For all students, the local economic environment is the ideal learning lab to gain awareness of contemporary workplace expectations and opportunities. By building relationships with our local employers, Cabarrus County Schools are creating real-world learning opportunities for our students.

Cabarrus County Schools are integrating academic and vocational instruction and are developing work-based learning opportunities (from job shadowing to apprenticeships). In the restructured secondary education, all students are highly encouraged to choose a career pathway and take an academically rigorous curriculum. Our goal is to convey to students the link between academic achievement and their future prospects in the workplace.

Career planning helps students set realistic career goals based on their interests, aptitude, and choice and helps students reach their goals through academic coursework that will lead students through their chosen pathway. Career guidance is the responsibility of all adults both inside and outside the school building.

Young people will begin to see the connection between career goals and academic achievement when their education includes three essential elements:

1. Meaningful career educational guidance;
2. Relevant curriculum that teaches skills demanded by the high-performance workplace; and
3. Opportunities to learn about the workplace through first-hand experience.

To make this happen, teachers and counselors are prepared to assist students with career planning, school-based learning, and work-based learning. However, commitment from teachers and administrators is not enough. The final responsibility for taking full advantage of the comprehensive academic program, curricular and co-curricular activities, and social functions offered at our high schools rests with the student and his/her parents/guardians. We believe that partnerships must exist between the school, the home, and the workplace. This powerful relationship nurtures students' success through a high level of expectation and a high level of performance.

The Cabarrus County High Schools Career Pathways Guide and Information Handbook can assist you in taking full advantage of your four years in high school. It is important for both you and your parents/guardians to study the following pages carefully. You will find:

1. Requirements for high school graduation, college prep completers, college tech prep completers, post-secondary admission, NC Scholars, and athletic eligibility;
2. Career pathways that are aligned with the high school focus areas, community college clusters and college/university majors;
3. Descriptions of career pathways with sample career options;
4. Sample secondary career development plans and enhancement courses with work-based learning suggestions;
5. Information about post-secondary options, adult registered apprenticeships, and four-year college programs;
6. A listing of all high school courses along with descriptions and information; and
7. Suggestions for selecting courses to match your career and educational objectives, and much more.

The administration at each high school will conduct registration orientation sessions to which parents/guardians and students will be invited. Your guidance department will provide additional course-selection information by scheduling classroom information sessions. They will meet with you individually to register you for your classes. In addition, the counseling department is open for appointments with parents who wish further individualized service. Through the Freshman Seminar class, we strongly recommend that you develop a four-year high school plan that is commensurate with your future career and/or post secondary goals. You will be asked to select a career pathway no later than the end of your sophomore year, at which time you will be assigned a school-site mentor to guide you in reaching your goals.

The Renaissance Vision...Rewarding Academic Achievement

The Renaissance movement is a process that empowers students, educators, parents, businesses and community organizations to work together to encourage achievement and to celebrate the successes of our young people. Cabarrus County High Schools believe academic excellence, continuous improvement and citizenship must be recognized and promoted. Renaissance believes that the business principles of reward and recognition, teamwork, quality and leadership can have a tremendous impact on the achievement of academic excellence.

In Cabarrus County, students play an integral part in selecting the types of rewards they value as incentives. Rewards at each high school may include the following: academic honor cards, academic pep rallies, academic shirt days, special lunch celebrations, academic T-shirts, Wall of Fame, May Day Celebration, Special Teacher Recognition, exam exemptions, or an academic awards banquet. Through their academic performance, students earn Gold Cards or Silver Cards in order to receive their awards. Students should inquire at their individual schools for details of how to earn these cards.

High School/Renaissance Exam Policy

General

- Every effort will be made to maintain a regular exam-school day during the first and second term examination periods.
- The following exemptions do not apply to any course for which there is a state-mandated VoCATS Test or End of Course (EOC) Test adopted pursuant to N.C. General Statute 115C-174.11 or the Cabarrus County Schools Accountability Policy.
- Exemption is optional. If a qualifying student wishes to take an examination from which he or she is exempted, the student is entitled to do so. The final examination grade for an exempted student will be used only to raise the student's grade point average; the examination grade will not be used to lower the student's grade point average.
- The final grade of a student opting not to take the final examination will be computed based on the tests and course work completed during the term.

Final Examinations

The Cabarrus County Schools wish to reward high academic achievement by exempting qualifying students from taking final examinations according to the following criteria:

1. A first or second term **senior** who: a) maintains a "B" average (85) or better in a particular course, b) is in compliance with the current attendance policy, and c) has not been placed on suspension during the term is exempted from taking the final examination in each class for which these conditions have been met.
2. Any high school student who has earned a **Gold Card** through participation in the Renaissance Program and who has earned an "A" in particular courses, is exempted from final examinations in two of those courses during the terms in which the Gold Card is held. The student may select the two final examinations to be exempted within the parameters set forth in this policy.
3. Any high school student who has earned a **Silver Card** through participation in the Renaissance Program and who has earned an "A" in particular courses, is exempted from the final examination in one of those courses during the terms in which the Silver Card is held. The student may select the final examination to be exempted within the parameters set forth in this policy.

At least one day before the commencement of the final examination period of the first and second term, the teacher will notify each student of his/her current grade in the course and whether the student qualifies for exemption. Qualifying students must notify the teacher in each class at least one day prior to the examination whether they intend to take the examination. Qualifying students are expected to continue to attend classes and complete all assignments regardless of whether they opt to take the final examination.

CONCENTRATED CURRICULUM SCHEDULE

The academic year for Cabarrus County High Schools is organized into two 90-day terms; fall term and spring term. The school day is built around four 90-minute instructional periods per term. In most cases, students may complete four courses per term and earn one unit of credit per course. Most students have the opportunity to earn eight units of credit during one academic year upon successful completion of all course requirements.

The North Carolina High School Transcript/North Carolina Grading and Weighting Standards

North Carolina High Schools (grades 9-12) are required to use the new North Carolina Grading and Weighting Standards as mandated by Senate bill 1028. The purpose of the action is to provide colleges and employers with a standard document, which will be used in all North Carolina high schools. In addition to grades, the North Carolina transcript will contain student demographics and extra-curricular activities.

GRADING

Cabarrus County high schools will now use grades with pluses and minuses. The number of honor points associated with each grade is listed below:

A+ = 4.00	B+ = 3.38
A = 4.00	B = 3.00
A- = 3.68	B- = 2.68

C+ = 2.38	D+ = 1.38
C = 2.00	D = 1.00
C- = 1.68	D- = 1.00
WF = 0.00 (withdrew failing)	
F = 0.00	

The student report cards will report letter grades. These letter grades will be based on the following numerical averages:

A+ = 99-100	B+ = 91-92
A = 95-98	B = 87-90
A- = 93-94	B- = 85-86

C+ = 83-84	D+ = 76-77
C = 80-82	D = 72-75

C- = 78-79 D- = 70-71
 F = 69 or below

The grading period and end-of-course letter grade a student receives will be based upon the student's numerical average. This numerical average will be used to determine the student's final course grade, which will be reported in letter form.

REPORT CARDS

- Report cards will be issued every 9 weeks
- Mandatory progress reports are issued on the 20th and 65th day of the term. *(with uniform progress report date across system)*

WEIGHTED COURSES

Advanced/Honors courses will receive a single (1) additional quality point. Advanced Placement* courses will receive two (2) additional quality points. *AP – *Advanced Placement (college level course taught in high school)*

HONOR ROLL

Honor Roll will be calculated at the end of each grading period and will be based upon a student's non-weighted numerical average.

- The A Honor Roll will be 3.68/93 average (A- & up)
- The B Honor Roll will be 2.68/85 average (B- to B+)
- Students making a D or F will not be on either Honor Roll

CLASS RANK

Grade Point Average

Class rank will be based upon the converted 4.0 weighted scale. The grade in each class will be converted to the 4.0 weighted scale and each individual 4.0 conversion will be averaged together to determine GPA and class rank. Quality points for weighted courses will be included in determining GPA points and class rank as appropriate.

GRADUATION MARSHALS

Cabarrus County high schools use a set number of juniors with the highest academic averages (usually

top 12) to serve as graduation marshals according to school needs.

HONOR GRADUATES

Seniors in the class of 2002 and 2003 will have a 3.68 or above average based upon a converted 4.0 weighted scale. Graduates starting with the class of 2004 will have honor graduates classified by Summa Cum Laude (4.32+), Magna Cum Laude (4.0-4.31), and Cum Laude (3.68-3.9).

PROMOTION STANDARDS AND GRADE-LEVEL CLASSIFICATION

Students are promoted from middle school to high school upon completion of all middle school requirements. Grade level classification is based on the student's ability to earn his/her maximum potential. A student may earn a maximum potential of 8 units.

Classification Index

Sophomore	A student must earn a minimum of 6 course credits in grade 9, one of which must be English I.
Junior	A student must earn a minimum of 13 course credits in grades 9 and 10, including English II.
Senior	A student must earn a minimum of 19 course credits in grades 9, 10, & 11, including English III and be eligible to graduate in the spring.

TRANSFER STUDENT GRADE-LEVEL CLASSIFICATION

The transfer student's grade classification at his/her former school and an evaluation of the student's transcript will be used for grade placement and GPA.

SUCCESSFULLY

Moving from Middle School to High School

Course Name:	905 Freshman Seminar
Prerequisite:	None
Eligibility:	Highly Recommended for all Ninth Graders
Length of Course:	One term
Credit:	One

High School is very different from middle school. First, you will interact with different students each period requiring you to have better skills relating to other people and adjusting to different situations. You will be expected to work and learn on your own more frequently; therefore, you will need higher-level study and test-taking skills. You will have more choices and will be going to another type of education or career. The choices of courses you take and how well you succeed in these courses will play a major role in determining the opportunities you will have when you graduate.

Freshman Seminar is designed to help you gain the skills you need in order to move from middle school to high school successfully. These skills are presented in Freshman Seminar and provide the basic foundation for your education after high school and for the workplace.

In the Freshman Seminar class, you will meet the Principal, Assistant Principals, and School Counselors. You will have the opportunity to ask questions about school policies and other school issues. Students learn how to find information in the Media Center and computer labs and use all the equipment and software housed there. Two to three times a week you will meet with six to eight of your fellow freshman and upperclassman Peer Helper. From the student's perspective, you will discuss topics and participate in activities that reinforce and broaden what you are studying in class. Study skills and test-taking skills will be included in the curriculum. You will have the opportunity to explore interests and abilities in order to develop a four-year plan for high school that will lead toward your plans after graduation. You can also investigate the career options in which you are interested. You will participate in activities to improve your ability to communicate effectively with others, problem solve, take responsibility, set short and long-term goals, and value yourself and others. All of these skills are needed not only for success in school, but also for success in life.

NORTH CAROLINA ACADEMIC SCHOLARS PROGRAM

Students who complete the State Board of Education requirements for a well-balanced, challenging high school program will be named "North Carolina Academic Scholars." To achieve this honor, students must complete the required Course of Study and have an overall four-year grade average of 2.68 or above. North Carolina Academic Scholars will receive special recognition at the end of their senior year, and at graduation, and an appropriate seal of recognition will be affixed to the diploma. These students may use this special recognition in applying for scholarships and to post-secondary institutions. (Candidates are identified by the end of grade 11 and their candidacy can be included in application forms and/or transcripts sent to these institutions.)

Students must complete the following courses for NC Scholars recognition.

<u>Units</u>	<u>Program</u>
4	English
3	Mathematics (Algebra I, Geometry, Algebra II or one unit of advanced mathematics for which Algebra II is a prerequisite –three (3) units must be taken in grades 9-12)
3	Science (Biology, Chemistry, Physics or one other advanced science in lieu of Physics)
3	Social Studies (Government/Economics, U.S. History, one world studies course)
2	Foreign Languages (two levels of the same language)
1	Health/Physical Education
2	Additional units selected from among English, Mathematics, Science, Social Studies or Foreign Language courses
<u>4</u>	Electives
22	TOTAL UNITS

Eligibility for Honors Courses

Honors courses are designed to rigorously challenge the student who has mature study habits and is willing to accept the responsibility of a more demanding curriculum.

The following criteria are recommended:

1. Grade of B in Honors course (A in regular course)
2. Teacher recommendation
3. Diagnostic test – as deemed necessary

Eligibility for Advanced Placement Courses

Advanced Placement courses are for those highly motivated students who actually seek college credit based on the yearly advanced placement test administered by the College Testing Board. All AP classes will follow the recommended syllabus from the College Testing Board. Students will be expected to complete extra reading, writing, and project assignments outside of the classroom.

Students who have an 85+ in a prerequisite honors course and have the previous teacher's recommendation are eligible for AP courses.

Students, with the appropriate course background and not taking AP courses, may register to take the yearly AP tests. Students should contact their counselor for information.

EARLY GRADUATION OPTIONS

A student may choose an early graduation option if:

- A. The student has completed the first session of his/her fourth year;
- B. The student meets all graduation requirements.

When the early graduation option is selected:

- A. The student is no longer enrolled as a student in Cabarrus County Schools;
- B. The student may return to participate in any and all graduation-related functions.

Students planning to attend a four year college should contact the respective college in regard to early high school graduation.

SUCCESSFULLY

Moving from High School to Post Secondary Opportunities

POST-SECONDARY EDUCATION INFORMATION

Opportunities after high school are numerous and varied. This time in your life can be confusing. Following your Career Pathway will help prepare you for the challenges of life after graduation, whether you are transitioning to the corporate world of work, the four-year educational institution, the community college or technical school, or the armed forces. Meeting the following requirements will provide you with the skills needed for success.

MINIMUM UNDERGRADUATE ADMISSIONS REQUIREMENTS FOR THE NORTH CAROLINA UNIVERSITY SYSTEM

See College Prep Completer Requirements.

PRIVATE INSTITUTIONS POST-SECONDARY ADMISSION REQUIREMENTS

Private colleges of higher education have similar standards of admission. Students should consult the current catalog for any institution in which they are interested.

SCHOOLS OF NURSING ADMISSION REQUIREMENTS

Each school of nursing has its own requirements. Follow the designed program recommended by the school of the student's choice.

ARMED SERVICES REQUIREMENTS

Seek information from the local recruitment office representing the military branch of choice.

COMMUNITY COLLEGES

High School Diploma or recognized equivalent for all adults 18 years and older who wish to continue their education.

NORTH CAROLINA HIGH SCHOOL ATHLETIC ASSOCIATION REQUIREMENTS FOR ATHLETIC PARTICIPATION

This summary of key regulations is provided so that students can be made aware of rules which affect their eligibility. Students must understand that the rules below are general statements only. See your principal, athletic director or coach if you have any questions or need further explanation of details and exceptions.

TO REPRESENT YOUR SCHOOL IN ATHLETICS, YOU:

- Must be a properly enrolled student at the time you participate, must be enrolled no later than the 15th day of the present semester, and must be in regular attendance at that school.
- Must have been in attendance for at least 85% of the previous semester at an approved school.
- Must not have exceeded eight consecutive semesters of attendance or have participated more than four seasons in any sport since first entering grade 9.
- Must not have graduated from high school or been eligible for graduation from high school.
- Must be under 19 years of age on October 16th of present school year.
- Must live with your parents, or others with whom you have resided continuously for a full calendar year within the school administrative unit (exceptions must be approved by your principal and the NCHSAA).
- Must meet local promotion standard and must have passed a minimum of five courses during the previous semester. If the State Board of Education has granted a school or system a waiver for the 90 minute block scheduling format, then the NCHSAA will grant eligibility for athletics if a student passes three of four courses per semester. "On a 90 minute block schedule (4 courses per term), academic eligibility can be based ONLY upon passing three of four during the semester. A school may not total two semesters together to pass six of eight courses and use that for eligibility.**
- Must have received a medical examination before participation in tryouts, practice, or athletic events. The medical exam must be done once every 365 days by a duly licensed physician, nurse practitioner or physician's assistant with no counter signature required. For example, if a student receives a physical examination on August 1, that examination is good through July 31. If a student is absent from practice for five or more days due to illness or injury, he/she must receive a medical release by a duly licensed physician, nurse practitioner or physician's assistant before being readmitted to practice and contests.
- Must not accept prizes, merchandise, money or anything that can be exchanged for money as result of athletic participation.
- Must not have signed a professional contract, have played on a junior college team, or be enrolled and attending class in college.
- Must not participate in unsanctioned all-star or bowl games.
- At the end of the sports season for a specific sport, that team is to be disassembled and cannot be reassembled until the end of the 180-day school term.
- Must not be guilty of unsportsmanlike conduct.
- May not usually, as an individual or on a team, practice or play during the school day (from first contest through conference tournament).
- May not play, practice, or assemble as a team with your coach on Sunday.
- May not dress for a contest or sit on the bench if you are not eligible to participate.
- Must not play more than three games in one sport per week, (exception softball, baseball and volleyball) and no more than one contest per day (exception baseball, softball, and volleyball).
- May attend only those summer camps to which you or your parents paid the fees.
- Must be academically eligible at the beginning of the term and remain eligible academically throughout the term. A student who is not academically eligible at the beginning of the term is not eligible at any time during the term. (Exception: A student who receives an incomplete in a subject which causes him/her not to meet minimum scholastic requirements is ineligible until the course is satisfactorily made up, and his eligibility is restored at that point).
- Middle school students promoted or transferred to the high school will be automatically eligible for the first semester at the high school – regardless of courses passed at the middle school.
- A student must be present a minimum of 50% of the student day on the day of an athletic contest in order to participate in the event.

SCHOLAR ATHLETES

Cabarrus County Schools participate in the North Carolina Scholar Athlete Program. This program recognizes students who have achieved athletic and academic excellence. See your individual school athletic director for the details.

*Memo from Rick Strunk, November 1994. (As of July 1998, once a student has entered the 9th grade, if he/she is convicted or plea bargains to a felony offense, that person will no longer be eligible to participate in NCHSAA events.)

TESTING PROGRAM IN HIGH SCHOOL

The testing program is designed for two main purposes: (1) to give us knowledge of where the student's abilities lie, thus facilitating better placement in classes and (2) to aid the student and his/her parents in making choices for the future. Cabarrus County provides eight types of tests, some optional, some required.

1. End-of-Course Test

All students enrolled in regular education classes in which an End-of-Course test will be administered must take the test. These tests are designed to assess the competencies defined by the NC Standard Course of Study and Workforce Development blueprints. Students enrolled in vocational courses must take a Post Test. Seniors cannot be exempted from taking an End-of-Course test or a vocational Post Test. Students and teachers will be notified at the beginning of each year concerning which End-of-Course tests will be administered at the end of the course.

2. North Carolina Competency Tests in Reading and Mathematics

These tests are required by the state for those students who have not successfully mastered level III on their 8th grade End of Grade Tests or attained an acceptable national percentile score as defined by state regulations in order to meet the graduation requirements.

3. Computer Competency Test

Required for every high school student who did not pass it in their 8th grade year beginning with the 97-98 freshman year. Students must pass both performance and knowledge parts of the test. This test is designed to assess the K-8 component of the computer skills curriculum.

4. The North Carolina Exit Exam

Required for every high school student beginning with the 2001-02 freshman year. The North Carolina High School Exit Exam assesses students' proficiency in four Competency areas or tests: (1) Communication, (2) Processing Information, (3) Problem Solving, and (4) Using Numbers and Data.

5. Preliminary Scholastic Assessment Test (PSAT) – (optional)

Students may take the PSAT in preparation for the SAT I or ACT. The PSAT is a qualifying test for National Merit Scholarships. College-bound students are encouraged to take the PSAT again in the 11th grade. The 11th grade score is used for National Merit Scholarships. Sophomores are encouraged to take the PSAT in preparation for the SAT.

6. Scholastic Assessment Test (SAT) – (optional)

The SAT is required of the majority of colleges and universities on the East Coast. This tests verbal and mathematical skills. Students may take the SAT as often as they wish. The SAT is given six times each year.

7. American College Test (ACT) – (optional)

Students may take the ACT as often as they wish. ACT is given five times a year. The ACT consists of tests in four areas: English, mathematics, reading, and science and reasoning.

8. Armed Services Vocational Aptitude Battery (ASVAB) – (optional)

The ASVAB is a test of mechanical and technical skills that can be used to predict vocational aptitudes and interests. The results from this test can be helpful in making career choices. The ASVAB is used to qualify for all branches of the military services and is administered at the 11th or 12th grade level. Students need to apply to take this test through their local Armed Forces recruiter.

PROGRAMS FOR EXCEPTIONAL CHILDREN

The primary purpose of exceptional children programs is to ensure that students with disabilities develop mentally, physically and emotionally to the maximum extent possible through the provision of an appropriate, individualized education in the least restrictive environment. Exceptional children programs and services may be classified as both instructional programs and instructional support services, depending upon the educational need of an individual student. An Individualized Education Program states in writing the special education offerings to be provided to each exceptional student. Additionally, special emphasis during the high school years is given to transition from school to adult life, especially occupations and employment.

High school students will now have a choice of earning a diploma through successful completion of one of the following courses of study: **Career Prep Course of Study, College Tech Prep Course of Study, College/University Course of Study, or Occupational Course of Study.**

For many exceptional students, the goals of being included in standard course of study classes and meeting the requirements for graduation with a diploma are realistic. The addition of the **Occupational Course of Study (OCS)** has been approved by the State Board of Education for selected students with disabilities and if successfully completed, will lead to a State sanctioned diploma. The decision to pursue the **Occupational Course of Study** will be an IEP team decision. This will provide an alternative option for some students that would have earned a certificate in the past. The Department of Public Instruction will provide a curriculum framework for the OCS that will uphold high standards. The curriculum will be based on "functional" skills in the areas of vocational and personal management skills. The Graduation Certificate will be retained to recognize students unable to meet diploma requirements through any of the four courses of study (based on meeting Cabarrus County Schools attendance requirements, but not meeting state and local requirements for a diploma).

The **Occupational Course of Study** will be phased in gradually over a four-year period and will begin with the freshman class of 2000-2001. Diplomas based on the **Occupational Course of Study** may be granted starting with the graduating class of 2004.

For these students a system of supports is available to help foster success. Reasonable accommodations for the disability and instructional modifications are made within the regular program and consultation services are available to the regular education teacher. Some regular courses offer intensive in-class instructional support by pairing an exceptional child teacher with a regular education teacher for the purpose of co-teaching the class. In addition, an elective course, Curriculum Assistance, is offered to help exceptional students be successful in their other classes. Curriculum Assistance focuses on helping students to develop effective study skills and work habits and offers extra instructional time and assistance for assignments and course content from other classes.

Cabarrus County Opportunity School
120 Marsh Avenue NW, Concord, North Carolina 28025
(704) 793-1736

What is the Cabarrus County Opportunity School?

The Opportunity School program is an opportunity for students who have been suspended for three or more days to continue their academic work with assistance from a professional staff. The Opportunity School includes counseling services in the areas of anger management, conflict resolution, and career internships.

Who can attend the Opportunity School?

Students who are suspended for more than three days and who are recommended by the home school principal or assistant principal are eligible to attend the Opportunity School for the duration of the suspension period. Students and parents must follow all intake procedures and must sign a contract agreement to follow the center's rules for conduct and attendance.

What are the intake procedures?

A parent or legal guardian must accompany the suspended student to the Opportunity School office at 8:00 a.m. the morning following the suspension. The director or counselor will explain the center's rules and expectations to the student and parent/guardian. The student and parent sign a contract of agreement to follow the center's rules for conduct and attendance.

What if my child requires medications?

If the student requires any prescription medication, the medication must be presented to the center's principal/counselor. ALL medications must be in prescription containers. The parent/guardian is asked to provide sufficient medication for the duration of the suspension period.

What kind of academic program is available at the Opportunity School?

The Opportunity School program differs for short-term (3-10 days) suspended students and long-term (more than 10 days) suspended students.

Short-Term Suspensions: The main focus for both the middle and high school students will be counseling to help the student manage anger and resolve interpersonal conflicts to help avoid additional suspensions. In addition to counseling, students will use computer-based activities and other instructional activities to support their home school curriculum. Although students will not be expected to make up work missed at their home school, they will be expected to participate fully in all learning activities at the center. Students also will be required to take any major exams administered at the home school during their attendance at the Opportunity School.

Long-Term Suspensions: Middle School students will be able to earn credit for their CORE courses (Communications, Math, Science, Social Studies) while they are at the Opportunity School. Students will have to score at least Level 3 (grade level) on the NC End of Grade Test. Long-term suspended high school students may be able to earn 2 academic credits and 1 workforce development (Vocational) credit while at the Opportunity School. The number of credits earned will be individually determined, and will be based on the student's current achievement level, courses offered via the computer-based learning program, and the student's initiative and effort.

What are the hours of operation?

Students attend the Opportunity School from 8:00 a.m. – 1:30 p.m.

What testing procedures are required?

If a student is enrolled long-term, he/she must take teacher made exams or EOC tests.

Does Cabarrus County Schools provide transportation?

Cabarrus County Schools does not provide transportation to students who attend the Opportunity School. Parents will be responsible for arranging transportation.

What if the student is sick and cannot attend the Opportunity School for intake or on a regular attendance day during the suspension period?

If a student is ill, the parent/guardian must call the Opportunity School by 8:00 a.m. on that day. Individual needs will be discussed at that time.

What are the advantages of accepting the opportunity to attend the Opportunity School?

A suspended student who participates in the Opportunity School program and who adheres to the rules of conduct while at the Opportunity School receives the following benefits.

- A. The student is not counted absent from school.
- B. The student is engaged in learning activities specifically designed for his/her skill level.
- C. The student is participating in supervised activities instead of watching television or engaging in unsupervised activities.
- D. The student will receive individual counseling and learning assistance which may prevent future disciplinary problems and may improve school achievement.

Equity Policy of the *CABARRUS COUNTY SCHOOLS*

Activities and procedures
within the Cabarrus County Schools
are governed by
the philosophy of
simple fairness to all.

Therefore, the policy of the
Cabarrus County Schools
is that all operations
be performed without regard
to race, sex, color,
national origin or disability.

ENGLISH

Course Name: 100 Reading and Writing Lab
Prerequisite: Level I and II score on 8th EOG
Eligibility: 9
Length of Course: One term
Credit: One elective

This course is designed for students who need additional basic skills assistance in reading, writing, and English grammar. Students will use the computer-based PLATO program to support skills development.

Course Name: 110 English I
Prerequisite: None
Eligibility: 9
Length of Course: One term
Credit: One

English I continues the study of composition and literature, reinforces the skills of basic reading and grammar, and stresses study skills. Composition exercises include journal entries, paragraphs, outlines, themes, essays, short stories, and speeches. The literature through which reading and comprehension skills are stressed includes emphasis on textual vocabulary.

Course Name: 115 Honors English (weighted)
Prerequisite: *Eligibility
Eligibility: 9
Length of Course: One term
Credit: One, 1 QP

The first year of the honors English program starts the student on a sequentially developed English program that is designed to challenge students in areas of grammar, composition, and literature. Students learn basic research skills in preparation for writing and presenting speeches and compiling bibliographic information. A variety of classic novels, short stories, poems, and dramas are studied in depth with emphasis on literature analysis. Summer reading may be required.

Course Name: 120 English II
Prerequisite: English I
Eligibility: 10
Length of Course: One term
Credit: One

English II focuses on the study of world literature. Students learn to apply literary terms to the analysis of the stories they read in preparation for writing literature-based expository essays. The writing process is also applied to narrative, descriptive, and persuasive compositions. Grammar is reviewed as needed. Vocabulary study focuses on the use of context clues.

Course Name: 125 Honors English II (weighted)
Prerequisite: *Eligibility
Eligibility: 10
Length of Course: One term
Credit: One; 1 QP

Grammar is reviewed as needed in preparation for composition writing and research. Literature studies focus on in-depth analyses of significant works of world literature. Special emphasis is given to vocabulary study in preparation for reading, writing and SAT testing. Higher level thinking skills are introduced in the study of composition and literature. A research paper/project is required of every student. Summer reading may be required.

Course Name: 130 English III
Prerequisite: English II
Eligibility: 11
Length of Course: One term
Credit: One

English III is a comprehensive grammar, composition, oral communication, and literature course that encourages the expansion of writing skills and experimentation with new ideas. Thematic selections reveal the intellectual and emotional growth of the United States. This course emphasizes the relationship of literature to language and composition through the study of vocabulary and written assignments.

Course Name: 135 Honors English III (weighted)
Prerequisite: *Eligibility
Eligibility: 11
Length of Course: One term
Credit: One; 1 QP

English III Honors consists of an in-depth study of American Literature and a continued emphasis on composition. Writing is stressed, and exercises include compositions, literary analysis, journals, and a research paper. Oral presentations are also required of students. Summer reading may be required.

Course Name: 130AP Advanced Placement English III (weighted)
Prerequisite: A or strong B in Honors English II
Teacher Recommendation
4 or 5 on NC End of Course Writing Test
Eligibility: 11
Credit: One, 2 QP

Language and Composition is an advanced placement course designed for the serious student with strong analytical skills in reading, reading comprehension, and writing. Concentrating on American literature, this course emphasizes prose, poetry, and novel selections beginning with the Puritans, Benjamin Franklin, Fredrick Douglass, Henry D. Thoreau, William Faulkner, John Updike, and many others recommended by the college board curriculum. Extensive reading and writing are required. Furthermore, strong skills in both grammar and language are necessary. Students may receive college credit based on an acceptable score on the AP English examination. Summer reading may be required.

Course Name: 140 English IV
Prerequisite: English III
Eligibility: 12
Length of Course: One term
Credit: One

English IV consists of the study of British and Western Literature as well as a review of needed grammar, vocabulary, and the writing of a research literary paper. A thematic approach to the study of the literature is combined with the traditional chronological approach in an attempt to present the student with historical and cultural background for the various periods in literary achievement.

Course Name: 145 Honors English IV (weighted)
Prerequisite: *Eligibility
Eligibility: 12
Length of Course: One term
Credit: One; 1 QP

English IV Honors is an in-depth study of British and Western literature as well as composition, a review of needed grammar, vocabulary, and the writing of a research paper. A thematic approach to the study of the literature is combined with the traditional chronological approach in an attempt to present the student with historical and cultural background for the various periods in literary achievement. Grammar is reviewed as needed. Emphasis is placed on the study of vocabulary to help prepare those who will be taking the SAT. Summer reading may be required.

Course Name: 146 Advanced Placement English IV (weighted)
Prerequisite: Teacher recommendation
Eligibility: 12
Length of Course: One term
Credit: One; 2 QP

Advanced Placement English IV includes a survey of British literature and a study of advanced composition in addition to novels recommended by the college board curriculum. The literature study may begin with the Anglo-Saxon period and extend to the twentieth century in British literature. Extensive reading is required. Writing experiences for students include compositions, journals, and literary papers. Students may receive college credit based on an acceptable score on the AP English examination. Summer reading may be required.

Course Name: 170 Literary Analysis
Prerequisite: Junior or Senior English
Eligibility: 12
Length of Course: One term
Credit: One

Literary Analysis is a college preparatory course for Honors/AP students which focuses on expository, analytical, and argumentative writing based on literature. The purpose of the course is to produce mature, flexible writers who can compose in a variety of modes and for a wide range of purposes. Course content will emphasize interpretation, explication, and critical analysis. Research should occur with the course but should not be the primary objective. This course is recommended for students who have taken or will be taking AP English.

Course Name: 171 Speech/Debate
Prerequisite: None
Eligibility: 12
Length of Course: One term
Credit: One

Speech includes effective techniques for speaking clearly and confidently in a variety of situations. Students learn to pronounce words clearly and correctly, demonstrate control, express ideals and feelings in an organized fashion, use clear, vivid language appropriate to the audience, and use effective body movements, facial expressions, gestures and effective eye contact.

Debate consists of learning to adapt the context of message to a given audience, supporting arguments with evidence, impromptu speaking, and participating in problem-solving group discussions. In addition, students may compete in debate tournaments.

Course Name: 172 Great Books and Film
Prerequisite: English II
Eligibility: 11, 12
Length of Course: One term
Credit: One

This course offers the student an opportunity to critique some of the great classic books and films. Emphasis is placed on archetypal patterns, stereotypical characters, and symbolism.

Materials include contemporary and classical literary works and films.

Course Name: 173 Research Writing/Creative Writing
Prerequisite: English I & II
Length of Course: One term
Credit: One

The purpose of the research component of this course is to strengthen students' skills in the various modes of research writing; pure research and analytical research. Emphasis will be placed on proper methods of seeking and documenting information.

The creative writing component of the course will include experiences in writing various forms of poetry and narrative. Attention will be paid to developing students' self-assurance as writers through reinforcement of creative effort and development of fluency in the use of figurative language.

Course Name: 176 Reading/Writing Workshop
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This course is designed for students with a keen interest in reading and various types of writing. Students will be given flexibility with regard to choice of reading and writing assignments. This course is designed for students of varying performance levels.

Course Name: 129 Humanities (weighted)
Prerequisite: *Eligibility
Eligibility: Teacher recommendation
Length of Course: Two terms
Credit: Honors World History
Honors English, 2 units, 2 QP

This is an interrelated course taught over two terms. Emphasis is placed on world history and world literature while also including art, religion, music, and drama of the appropriate periods. Learning activities include directed research, readings, class discussions, seminars, lectures, group presentations, and cooperative learning.

Course Name: 139 American Studies (weighted)
Prerequisite: *Eligibility
Eligibility: Teacher Recommendation
Length of Course: Two terms
Credit: Honors U.S. History
Honors English III
2 units; 2 QP

American Studies is an interrelated course taught over two terms. Emphasis is placed on an in-depth study of American literature and history while also including art, religion, music, and drama of the different historical and literary periods. Activities include research, reading, seminars, vocabulary, and special celebrations of certain historical events and periods.

Course Name: 181 Yearbook
Prerequisite: Acceptable English GPA and Sponsor Approval
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

The students with the help of a commercial printing company, prepare the yearbook. The course provides the opportunity for students to participate in activities, such as selling advertisements, designing and preparing layouts by using computer technology, writing and editing copy, taking and cropping pictures, and meeting deadlines.

Course Name: 182 Publications/Journalism
Prerequisite: Acceptable English GPA and Sponsor Approval
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

The students will learn basic journalism skills, including writing, and editing; they will also learn how to take, choose, and crop pictures for a publication. They will then be introduced to the technological age by producing publications using computer technology. Students will combine text, graphics, and pictures to produce different types of publications. Students will also learn to use a variety of devices, such as modems for telecomputing and scanners for scanning pictures from outside sources.

Course Name: 921A Occupational English I
Prerequisite: IEP Approval of Team
Eligibility: 9
Length of Course: One term
Credit: One

Students in Occupational English I explore and examine a variety of communication modes and the importance each plays in daily living and employment settings. They apply reading and writing skills to interpret and express factual, functional information. They use oral language skills to communicate effectively in both formal and informal situations.

Course Name: 921B Occupational English II
Prerequisite: Occupational English I/Approval
Eligibility: 10
Length of Course: One term
Credit: One

Students in Occupational English II analyze and employ effective communication skills in both daily living and employment settings. They use standard rules of convention and syntax to give and request information. They read and comprehend a variety of functional texts.

MATHEMATICS

Course Name: 282 Basic Math Lab.
Prerequisite: Level I or II score on 8th EOG
Eligibility: 9
Length of Course: One term
Credit: One elective

This course is designed for students who need additional skills assistance and review in basic math concepts in preparation for pre-algebra. Students will use the computer-based PLATO program to support skills development. This course does not count as a math credit.

Course Name: 200 Introductory Mathematics
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One elective

This course is designed for students who need another year of preparation before taking a first-year algebra course. It offers review and practice in topics such as integers, fractions, decimals and percents. A gradual, thorough approach to solving equations and inequalities is taught. Graphing, polynomials, and geometry are introduced. This course does not count as a math credit.

Course Name: 201 Algebra IA
Prerequisite: Teacher recommendation
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One math credit

The study of Algebra IA deals with the four fundamental operations of real numbers and their use in the solution of simple equations and related problems. Approximately one half of the Algebra I curriculum will be covered.

Course Name: 202 Algebra IB
Prerequisite: Algebra IA
Eligibility: 9, 10, 11, 12
Length of Course: One Term
Credit: One math credit

The study of Algebra IB includes topics such as factoring, inequalities, polynomials, quadratic equations, and exponentials. The second half of the Algebra I curriculum will be covered. The graphics calculator will be used to enhance these topics.

Course Name: 220 Geometry
Prerequisite: Algebra I
Eligibility: 9-12
Length of Course: One term
Credit: One math credit

Geometry is a course containing a balance of theory and application. Students learn and apply postulates, theorems and definitions and practice the concepts of formal and indirect proofs. Concepts on space geometry are integrated with plane geometry throughout the course. Algebraic skills are reinforced as they are applied to problem solving in geometry.

Course Name: 225 Honors Geometry (weighted)
Prerequisite: Algebra I and Teacher Recommendation
Eligibility: 9, 10
Length of Course: One term
Credit: One math credit; 1 QP

Honors Geometry is a brisk-paced, in-depth course dealing with both theory and application. Two and three dimensional figures are studied with concepts of space geometry being integrated with plane geometry throughout the text. Other topics include deductive reasoning, indirect proofs, trigonometry, constructions, coordinate geometry, and transformations.

Course Name: 230 Algebra II
Prerequisite: Algebra I and Geometry
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One math credit

Students extend their knowledge on such topics as systems of numbers, polynomials and rational expressions, linear equations and inequalities, relations and functions, quadratic functions, systems of equations, real exponents, logarithms, conic sections and matrices. Emphasis is placed on equation solving and its applications to word problems. Graphic calculators will be used.

Course Name: 235 Honors Algebra II (weighted)
Prerequisite: Geometry & Teacher Recommendation
Eligibility: 10, 11
Length of Course: One term
Credit: One math credit; 1 QP

Honors Algebra II is a fast paced, in-depth study of Algebra II. Students use equations and inequalities to solve problems, graph linear and quadratic functions, and simplify algebraic expressions including exponents and radicals. Additional concepts include matrices, conic sections logarithms, and sequences and series. Graphics calculators will be used.

Course Name: 240 Algebra III/Trigonometry
Prerequisite: Algebra II and Geometry
Eligibility: 11, 12
Length of Course: One term
Credit: One math credit

This course is designed for students who are planning to continue their study of mathematics in high school and/or college. Trigonometry consists of working with the six trig functions including graphing, verifying identities, and solving equations. After this course, the student will be prepared to take Pre-Calculus.

Course Name: 245 Honors Algebra III/Trigonometry (weighted)
Prerequisite: Honors Algebra II
Eligibility: 10, 11
Length of Course: One term
Credit: One math credit; 1 QP

This is a rigorous course including the topics covered in Algebra III/Trig as well as additional topics covered in Pre-Calculus. After this course the students will be prepared to take Differential and AP Calculus.

Course Name: 255 Pre-Calculus (weighted)
Prerequisite: Algebra III/Trigonometry
Eligibility: 11, 12
Length of Course: One term
Credit: One math credit; 1 QP

This course is designed for those students who plan to pursue their education in math or a math-related field. Topics include conic sections, logarithms, an analysis of elementary functions and their graphs. The course will include an introduction to differential calculus, natural logarithmic and natural exponential functions, and an introduction to elementary differentiation and integration.

Course Name: 265 Differential Calculus
Prerequisite: Honors Algebra III/Trigonometry
Eligibility: 11, 12
Length of Course: One term
Credit: One math credit

The course will include a rigorous treatment of derivatives of elementary functions using the power rule, product rule, quotient rule, and chain rules as well as implicit differentiation and derivatives of trigonometric functions and logarithmic functions. Applications of the derivative will include optimization problems and related rate problems. This course is required for students who plan to take AP Calculus.

Course Name: 266 AB AP Calculus (weighted)
Prerequisite: Algebra II/Trigonometry
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One math credit; 2 QP

Advanced Placement Calculus AB includes the following topics: limits and continuity of functions, the concept of the derivative, application and computation of derivatives, and interpretations of definite integrals. Students should plan to take Calculus BC upon completion with an AP exam being required upon completion.

Course Name: 266 BC AP Calculus (Integral Calculus) (weighted)
Prerequisite: Differential Calculus
Eligibility: 11, 12
Length of Course: One term
Credit: One math credit; 2 QP

This course will include a rigorous treatment of basic integration, simple integration by parts, and integration by substitution. Applications will include distance, velocity acceleration, and growth and decay problems. Riemann sums and the Trapezoidal Rule will be used to approximate the definite integral. Other applications will include area under a curve, area between curves, and volumes of solids of revolution. Students prepare to take the College Board standardized test and may receive college credit based on their scores.

Course Name: 270 Statistics
Prerequisite: Algebra III/Trigonometry or Honors Algebra II
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One math credit

This course in introductory Statistics will emphasize the development of a critical attitude towards the collection, treatment, and analysis of data with applications in a variety of areas. Other topic areas will include permutations, combinations, probability and logic.

Course Name: 280 Tech Math I
Prerequisite: Algebra I or Algebra IB
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One math credit

"Tech Math I" continues students' study of algebra, geometry, and probability and statistics. Topics will be approached in an application-centered environment and appropriate technology will be used regularly.

Course Name: 281 Tech Math II
Prerequisite: Tech Math I
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One math credit

"Tech Math II" is a more advanced study of algebraic concepts and geometric figures. Emphasis is placed on practical applications, and appropriate technology will be used regularly.

Course Name: 290 AP Statistics (weighted)
Prerequisite: Algebra II
Eligibility: 11, 12
Length of Course: One term
Credit: One math credit; 2 QP

This course covers the content of a typical introductory college course in statistics. The first course will provide an overview and introduction to statistics, and introduce students to the major concepts and the methods for collecting, analyzing, and drawing conclusions from data. The course will prepare students for the AP exam. AP statistics is an excellent option for any student who has completed a course beyond Algebra II with a C average or better, regardless of the students' intended college major. At least one statistics course is typically required for majors such as engineering, psychology, sociology, health science, mathematics, and business. TI-83 calculators will be required for this course. Students prepare to take the College Board standardized test and may receive credit based on their score.

Course Name: 922A Occupational Mathematics I
Prerequisite: Approval of IEP Team
Eligibility: 9, 10
Length of Course: One term
Credit: One math credit

Occupational Mathematics I continues the study of: a) Computation: reading, writing, counting, and the mathematical skills using whole numbers, decimals, fractions, and percents; b) Financial Management: recognizing and identifying basic financial information; c) time and measurement; d) Independent Living; and e) Technology. Students will acquire these skills through hands-on approaches and cooperative learning within the classroom and community. Application of these skills is necessary for independent living and successful employment.

Course Name: 922B Occupational Mathematics II
Prerequisite: Occupational Mathematics I IEP Approval

Eligibility: 9, 10
Length of Course: One term
Credit: One math credit

Occupational Mathematics II continues from Occupational Mathematics I the study of computation and the application of these skills for independent living and successful employment. More emphasis is placed on application and problem solving in the areas of financial management, reading and interpreting schedules, time and measurement and independent living using technology, hands-on approaches and cooperative learning.

Course Name: 251 Integrated Math I
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One math credit

The study of traditional topics from algebra, geometry, probability and statistics in a problem-centered, connected approach.

Course Name: 252 Integrated Math II
Prerequisite: Integrated Math I
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One math credit

The continued study of traditional topics from algebra, geometry, probability and statistics in a problem-solving connected approach.

Course Name: 253 Integrated Math III
Prerequisite: Integrated Math I & II
Eligibility: 11, 12
Length of Course: One term
Credit: One math credit

The connected study of advanced algebra, topics, geometry and data analysis.

SCIENCE

New graduation requirements for science beginning with the freshman class of 2000-2001. One unit in biology; one unit in a physical science elective; one unit in an earth/environmental science elective.

Course Name: 304 Earth/Environmental Science
Prerequisite: None
Eligibility: 9
Length of Course: One term
Credit: One earth/environmental science

The Earth/Environmental Science curriculum focuses on the function of the earth's systems. Emphasis is placed on matter, energy, crustal dynamics, environmental awareness, materials availability, and the cycles that circulate energy and material through the earth system. The areas of inquiry include: energy in the earth systems, geochemical cycles, origin and evolution of the universe, predictability of a dynamic earth, and human interactions with the earth's geologic and environmental systems.

Course Name: 307 Honors Earth/Environmental Science (weighted)
Prerequisite: None
Eligibility: 9
Length of Course: One term
Credit: One earth/environmental science credit; 1 QP

Honors Earth/Environmental Science course focuses on the functions of the earth's system in a more in-depth, detailed, and demanding perspective than Earth/Environmental Science. Special emphasis will be placed on hands-on projects and application of concepts.

Course Name: 310 Physical Science
Prerequisite: Algebra IA
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One physical science elective

Physical Science is a survey course covering mechanics, heat, light, sound, magnetism, electricity, chemistry, and nuclear energy. Topics included are motion and work, structure of matter, changes in matter, energy (heat, nuclear, electrical) and waves. Laboratory work accompanies the course content.

Course Name: 320 Biology
Prerequisite: None
Eligibility: 10
Length of Course: One term
Credit: One biology unit

Biology is the study of living things. Major areas of emphasis in this course are cells, heredity, body systems, classification, populations and environments. Laboratory work accompanies the traditional teaching methods in the course. Biology is required for graduation.

Course Name: 325 Honors Biology (weighted)
Prerequisite: Algebra I & Teacher recommendation
Eligibility: Teacher recommendation, 10
Length of Course: One term
Credit: One biology unit; 1 QP

This course is an in-depth study of biology which involves research and individual laboratory work. The topics include: energy of life, cell structure and function, reproduction, genetics, adaptation, classification, psychology, environment and ecology, dissection and comparative anatomy. Honors Biology is designed to develop the student's ability to observe and understand the living world.

Course Name: 331 Chemistry
Co-requisite: Algebra II
Prerequisite: Physical Science recommended
Eligibility: 11, 12
Length of Course: One term
Credit: One physical science elective

Chemistry is the study of substances, what they are made of, how they react, and how they change. The fundamental ideas of chemistry deal with the nature of elements and the ways in which elements combine to form compounds. Some topics discussed include: atomic theory, equations, the periodic table, chemical mathematics, equilibrium, acid-base theories, and chemical bonding. The student must have a proficient, working knowledge of mathematical equations. Emphasis is placed on development of the scientific method of problem solving.

Course Name: 335 Honors Chemistry (weighted)
Prerequisite: 91 or better in Algebra II
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One physical science elective; 1 QP

Chemistry is the study of matter and the change it undergoes. Topics include: Atomic theory, periodic table of elements, chemical bonding, chemical equations, stoichiometry, equilibrium, rates of reactions, acids-base chemistry. The student MUST have a PROFICIENT WORKING KNOWLEDGE of mathematical equations. Problem solving skills are emphasized. Areas that will be stressed are formal lab presentation, technical writing, data analysis, chemical concepts, and laboratory techniques.

Course Name: 336YAP Chemistry
Prerequisite: Chemistry Teacher recommendation
Eligibility: 11, 12
Length of Course: Two terms
Credit: One physical science elective; 2 QP

AP Chemistry is a college chemistry course designed for the academically involved student to be able to gain competence and college credit in the chemical sciences. The AP Course Outline will be followed. College credit may be granted on an acceptable score on AP Chemistry exam.

Course Name: 350 Physics
Prerequisite: Algebra II
Co-requisite: Algebra III/Trigonometry
Eligibility: 11, 12
Length of Course: One term
Credit: One physical science elective;

Physics is the physical science concerned with relationships between matter and energy. Topics studied include: mechanics, electricity and magnetism, thermodynamics, optics, and sound. Emphasis is placed on problem solving. This course is geared for those students who have demonstrated a high degree on both scientific and mathematical aptitudes and interests. Physics is designed for students preparing for college, engineering, medicine and other technical fields.

Course Name: 355 Honors Physics (weighted)
Co-requisite: Advanced Algebra and Trigonometry
Eligibility: 11, 12
Length of Course: One term
Credit: One physical science elective; 1 QP

Physics is the most basic of the sciences. It deals with the fundamental principles which govern the behavior of the physical universe. The major divisions of classical physics are mechanics, thermodynamics, electricity and magnetism, waves and optics. Modern physics such as relativity and nuclear physics may be introduced.

Physics is a highly mathematical science, and success requires proficiency and interest in both math and science. Emphasis is placed on the development of a systematic approach to problem solving.

Honors Physics is designed for those students with a strong background in math, who are planning to major in science, engineering, medicine or mathematics in college.

Course Name: 356YAP Physics (weighted)
Prerequisite: Advanced Algebra and Trigonometry
Eligibility: 11, 12
Length of Course: Two terms
Credit: One physical science elective; 2 QP

AP Physics is designed for those students with a strong background in math, who are thinking about majoring in science, engineering or mathematics in college. College credit may be granted on an acceptable score in AP Physics examination.

Course Name: 365 Biology II
Prerequisite: Biology I, taking Chemistry or passed Chemistry
Eligibility: 11, 12 and 85 average in Biology I
Length of Course: One term
Credit: One biology elective

This course is an in-depth study of genetics, classification, cytology, behavior, anatomy, physiology and involves laboratory investigations, dissections and microscopic work. The major emphasis in such a second course is upon laboratory investigations.

Course Name: 366YAP Biology (weighted)
Prerequisite: Biology I, Chemistry and Teacher recommendation
Eligibility: 10, 11, 12
Length of Course: Two terms
Credit: One biology elective; 2 QP

AP Biology is a college freshman biology course designed for the academically involved student to be able to gain competence and college credit in the biological sciences. Studies include molecular and cellular biology, genetics, organismal biology, principles of ecology, evolution, and behavior. College credit may be granted upon an acceptable score on AP Biology examination.

Course Name: 307 AP Environmental Science
Prerequisite: Completion of 2 years of high school laboratory science, Minimum of Algebra I
Eligibility: 11, 12
Length of Course: One term
Credit: One Earth/Environmental Science, 2 QP

The goal of this course is to provide students with scientific principles, concepts and methodologies required to understand the interrelationship of the natural world; to identify and analyze environmental problems both natural and human-made; to evaluate the relative risks associated with these problems; and to examine alternative solutions for resolving and/or preventing them.

Course Name: 370 Marine Science
Prerequisite: Biology, Physical or Earth Science
Eligibility: 11, 12
Length of Course: One term
Credit: One earth/environmental science elective

This course covers the chemical, biological, physical and geological aspects of oceanography. The open ocean, marine pollution, innovative use of the ocean, the continental shelf and coastal zone are studies.

Course Name: 371 Astronomy
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One earth/environmental science elective

This course will include a study of the following topics: The solar system and all its members to include comets and natural satellites; the life cycle of the stars; the United States' space program. There may be some night classes.

Course Name: 790 Principles of Technology I
Prerequisite: Algebra I
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One physical science elective

This course provides an understanding of the principles and concepts of technology and the mathematics associated with them. There is technical instruction on force, work, rate, resistance, energy, and power as it applies to one of the four energy systems. The curriculum makes use of video tapes, student text, teacher demonstrations, hands on laboratories, and provides future technicians with a basic understanding of mechanical, fluid, electrical, and thermal principles on which modern equipment operates.

Course Name: 791 Principles of Technology II
Prerequisite: Principles of Technology I: Teacher recommendation
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One physical science elective

This course continues the instruction begun in level I. It provides instruction in force, transformers, momentum, wave and vibration, radiation, optical system, and time constants. Each principle or concept can be analyzed and applied to equipment and devices in mechanical, fluid, electrical, and thermal energy systems. Course content emphasizes principles rather than specific skills and provides the student with a foundation to pursue a technical career. *The university system requires both 790 and 791 to meet one science requirement.

Course Name: 328 Applied Biochemistry I
Prerequisite: One high school science unit; Algebra I
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One biology elective

This is an integrated, modular, technically focused course of study composed of units selected from the following areas: Natural resources, water, air and other gases, plant growth and reproduction, continuity of life, nutrition, disease and wellness, life processes, synthetic materials, waste and waste management, microorganisms, and the community of life. Laboratory activities link the course content to future careers and to everyday life.

Course Name: 329 Applied Biochemistry II
Prerequisite: Applied Biochemistry I
Eligibility: 11, 12
Length of Course: One term
Credit: One biology elective

This course is a continuation of Applied Biochemistry I. The units to be continued may include: Natural resources, water, air and other gases, plant growth and reproduction, continuity of life, nutrition, disease and wellness, life processes, synthetic materials, waste and waste management, microorganisms, and the community of life.

Course Name: 372 Anatomy and Physiology
Prerequisite: Biology I
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One biology elective

Survey of the human body's anatomy and the physiology of organ systems. Includes hands-on labs, dissections, video tapes and possible field trip to Bowman-Gray's gross anatomy lab.

Course Name: 396 Life Skills Science I
Prerequisite: Approval of IEP Team
Eligibility: 9, 10
Length of Course: One term
Credit: One

This course is designed to introduce students to the fundamental issues in healthful living, environment, and personal management skills. Emphasis will be placed on application with a hands on approach including community based training.

HEALTH / PE

Course Name: 800 Health & PE
Prerequisite: None
Eligibility: 9
Length of Course: One term
Credit: One

Health emphasizes the importance of understanding the physical, mental, social, and emotional elements of the body, the responsibility of each person in maintaining and promoting good health and safety individually and as a group, and the development of desirable relationships with others.

In physical education, emphasis is placed on developing good sportsmanship, leadership, skill, and achieving personal satisfaction through carry-over of lifetime sports, physical fitness, and team sports.

Course Name: 810 Advanced PE
Prerequisite: Freshman Health / PE;
Teacher recommendation
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This course is designed for physical fitness, focusing on body shaping, flexibility, and muscular development of cardiovascular endurance. Emphasis is placed on positive nutritional habits. Learning the rules and techniques of various sports is included.

Course Name: 811 Weight Training
Prerequisite: Freshman Health / PE;
Teacher recommendation
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This course is a progressive program of weight training. In addition to weight lifting, this course includes agility drills designed to help the athlete improve his speed and quickness. This course is primarily for athletes in 10th, 11th and 12th grades, but is open to others **approved by the instructor.**

Course Name: 812 Modern Fitness/Physical
Development
Prerequisite: 9th Grade Health & PE
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This health and physical course is designed to promote and encourage high levels of health and wellness in the students. Special attention will be given to help students increase levels of fitness in four areas: cardio-respiratory, muscular strength and endurance, and flexibility. The course content will be presented in theory and application.

Course Name: 813 Sports Officiating
Prerequisite: Freshman Health / PE
Advanced PE, and Instructor
Approval
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This course involves the consistent enforcement of rules of all sports and activities played during class. Participants will be assisting in the teaching of correct procedures associated with each activity. Previous experiences and knowledge of the games is needed to successfully meet class expectations.

Course Name: 814 Sports Medicine
Prerequisite: None
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This course is designed to teach students basic first aid, CPR, and various techniques in care and prevention of athletic injuries. Students will be working directly with the various athletic teams in school throughout the year.

SOCIAL STUDIES

Course Name: 410 Economics, Legal, Political Systems
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One Term
Credit: One

Economics/Legal Political Systems includes a study of basic economic concepts, terms and consumer skills, and an introduction to national, state and local government. This course includes a study of the major documents of the United States and recognizes the role of a citizen in American society.

Course Name: 415 (10-12) Advanced Economics, Legal, Political Systems
Prerequisite: Teacher recommendation
Eligibility: 11
Length of Course: One term
Credit: One

Advanced Economics, Political and Legal Education is a seminar format course which combines textbook study, lectures, guest presentations and projects in an effort to provide Active Citizenship Training for these students. The curriculum includes a study of the role of political parties, the media and interest groups. An in-depth study of the Constitution and related issues are also included. An essential section of the course is involvement in various projects which affect our school, community and state. Through simulation and "hands on" experiences this course offers students an opportunity to apply the basic economic concepts learned in ELPS to the business world. This course is only available at Central Cabarrus High School.

Course Name: 420 World Cultures
Prerequisite: ELPS
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

World Cultures is a study of cultures around the world in countries other than the United States. The geography, economics and politics of the countries are interwoven into the cultures of the countries.

Course Name: 430 World History
Prerequisite: None
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This course begins with prehistoric times and concludes with modern times. It offers a study of the development of the western world, in addition, it presents non-western civilizations in the framework of their own cultures and shows how these different civilizations have interacted with each other.

Course Name: 435 Honors World History (weighted)
Prerequisite: Teacher recommendation
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One; 1 QP

This course goes beyond historical events and presents a multi-disciplinary approach, including the arts, economics, science, philosophy, and sociology.

Course Name: 430AP World History (weighted)
Prerequisite: Teacher recommendation
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One; 2QP

The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among societies. Focused on the past thousand years of global experience, the course builds on an understanding of cultural, institutional, and technological precedents. Specific themes provide further organization to the course.

Course Name: 470 World Geography
Prerequisite: None
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

Students will study physical geography (climate, volcanoes, earthquakes, maps, population, map inferences) according to the Five Themes of Geography developed by the National Geography Society. The course includes a regional study of the world with emphasis on each area's political, social and economic systems.

Course Name: 440 U.S. History
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This survey course is designed to provide knowledge of U.S. History from the colonial period to the present. Students learn how past events have influenced our times. Reading, writing, map study and discussions are vital aspects of the class.

Course Name: 445 Honors U.S. History (weighted)
Prerequisite: Teacher recommendation
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One; 1 QP

This survey course in U.S. History is designed for the student who demonstrates high proficiency in social studies classes and accepts the responsibility for independent study and higher levels of thinking. U.S. History from Colonial period to the present is the time period covered.

Course Name: 477 Applied Economics
Prerequisite: ELPS
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

High school students form their own companies, then on a computer learn how their decisions interact in the marketplace and finally see how experiences relate to theory and case studies. (From micro to macro instruction, this combines academics with practicality.) Students will use computer software and the advice of a business consultant as they organize student companies and develop a product or service for the marketplace. Through simulation and "hands on" experiences this course offers students an opportunity to apply the basic economic concepts learned in EPLS to the business world.

Course Name: 471 Psychology
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
Credit: One

A study is made of human behavior learning, the process of thinking, personality, intellectual abilities, major psychologists, mental illness and treatment, problems of life in both social groups, family groups, and small groups in society.

Course Name: 472 20th Century History
Prerequisite: U.S. History and World Studies Course
Eligibility: 11, 12
Length of Course: One term
Credit: One

This course is an in-depth study of twentieth century American and world history, including current events.

Course Name: 473 Sociology and Social Problems
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
Credit: One

This course studies man in his social environment, from infancy to childhood to adolescence and beyond. Social problems in American society will be studied in the second part of the course: alcohol and drug abuse, aging, teen pregnancy and suicide.

Course Name: 474 Practical Law
Prerequisite: Approval of subject teacher
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This course is designed to provide the student with an introduction to our legal system. The curriculum includes activities such as case studies, role plays, small group exercises, mock trials, and exposure to experts who work within the legal system. Students are evaluated upon their participation and test scores.

Course Name: 446 AP U.S. History (weighted)
Prerequisite: Teacher recommendation/US History
Eligibility: 11, 12
Length of Course: One term
Credit: One; 2 QP

An in-depth study of U.S. History designed to prepare students for the AP College Board exams. Extensive reading, free response essays, and document-based questions will be included. Students may receive college credit based upon an acceptable score on the AP U.S. History examination.

Course Name: 476 AP Microeconomics (weighted)
Prerequisite: A solid foundation in Algebra and Geometry
Eligibility: 11, 12
Length of Course: One term
Credit: One; 2 QP

The purpose of this advanced placement course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the large economic system. It places primary emphasis on the nature and functions of producer markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. Students will concentrate on supply, demand, productivity, revenue and profit. This course is taught through the Satellite Educational Resources Consortium, Inc. This course is only available at Mt. Pleasant High.

Course Name: 476 EH AP European History (weighted)
Prerequisite: World History, U. S. History
Eligibility: 11, 12
Length of Course: One term
Credit: One; 2 QP

The goals of AP European History are to develop an understanding of some of the principal themes of modern European History, to develop an ability to analyze and express historical understanding in writing in preparation for the AP exam. The student will demonstrate a knowledge of basic chronology and of major events and trends from 1450 to the present.

Course Name: 486 AP Macroeconomics (weighted)
Prerequisite: A solid foundation in Algebra and Geometry
Eligibility: 11, 12
Length of Course: One term
Credit: One; 2 QP

The purpose of this advanced placement course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the large economic system. It placed primary emphasis on the nature and functions of producer markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. Units of study include revenue, competition, monopoly, market failure and public policy. This course is taught through the Satellite Education Resources Consortium, Inc. This course is only taught at Mt. Pleasant High.

Course Name: 480 Introduction to the Hebrew Bible and the English Old Testament
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This course includes an introduction to the Hebrew Bible and the English Old Testament, including research and reference skills and how the Bible came into English. Focus is on the Pentateuch (Genesis, Exodus, Leviticus, Numbers, Deuteronomy), especially those stories often encountered in literature, music, and art. As time allows the course concludes with an overview of the TANAK/English O.T.

Course Name: 481 Introduction to New Testament
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This course includes an introduction to the New Testament including research and reference skills and how the Bible came into English. Focus is on the first four books of the New Testament (Matthew, Mark, Luke, John), especially those stories often encountered in literature, music, and art.

Course Name: 482 Advanced Hebrew Bible and English Old Testament
Prerequisite: Introduction to Hebrew Bible and English Old Testament (85 or higher average) *In some cases prerequisite may be waived by the teacher.
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This course includes a brief overview/review of Introduction to the Hebrew Bible and English Old Testament, research and reference skills. Focus is on the remaining books of the TANAK/English Old Testament.

Course Name: 483 Advanced New Testament
Prerequisite: Introduction to the New Testament (85 or higher average) *In some cases prerequisite may be waived by the teacher.
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This course includes a brief overview/review of Introduction to the New Testament, research and reference skills. Focus is on the remaining books of the New Testament.

Course Name: 484 AP American Government & Politics (weighted)
Prerequisite: ELPS, U.S. History
Eligibility: 11, 12
Length of Course: One term
Credit: One; 2 QP

This course prepares students to take the “Advanced Placement United States Government and Politics” exam in May by giving students an analytical perspective on government and politics in the U.S.

Students become familiar with the institutions, groups, beliefs, and ideas of political reality in today’s nation. With that goal, the course covers: the Constitution and its foundation, political beliefs and behaviors, political parties and interest groups, institutions and processes, civil rights and civil liberties.

This course is taught through the Satellite Educational Resources Consortium, Inc. This course is only available at Mt. Pleasant High.

Course Name: 496 Life Skills Social Studies I
Prerequisite: Approval of IEP Team
Eligibility: 9, 10
Length of Course: One term
Credit: One

This course is designed to introduce students to the fundamental issues in Government, U.S. History, Self-Advocacy, and Problem-solving. Application of these skills is necessary for personal management proficiency.

Course Name: 172B Film as History
Prerequisite: Teacher recommendation
Eligibility: 11, 12
Length of Course: One term
Credit: One

This course is designed to invite students to study history through the highly accessible popular cultural medium of film. Over the course of the semester, approximately 15 films (about one each week, allowing extra time for longer films) will be studied in chronological order of subject. Students will critique the film and its representation of history. In addition, students will examine the historical accuracy of the film, both in terms of the subject matter and the context of the time period in which the film was produced, using primary and secondary sources of historical research and film criticism.

FOREIGN LANGUAGE

WHY STUDY A FOREIGN LANGUAGE?

• Enhanced Career Opportunities

Learning a foreign language provides a competitive edge in today's and tomorrow's world. Foreign language knowledge benefits people in the following fields: airline companies, advertising, anthropology, education, films, federal government, health care, hotel/motels, import/export, international organizations, interpreting, journalism, law, law enforcement, publishing, radio/TV, religious occupations, research, social work, telephone operators, tourism.

• Social Reasons

1. Knowledge of a foreign language provides: heightened sense of cultural pluralism and culture sensitivity to other people's way of life in this state, country as well as in the global community.

2. Increased travel opportunities within the chosen career.

3. Additional opportunities for interacting with limited-English speakers within our state.

• Academic Reasons

The study of another language supports the focus placed on reading and writing by the ABCs and impacts on other academic areas as well:

1. Higher SAT and ACT scores. A longer sequence of language study leads to higher verbal scores.

2. Stronger English vocabulary for all students. Fifty percent of the English words come from French. Both Spanish and French are based on Latin.

3. Better understanding of the English language and greater sensitivity to structure, vocabulary, and syntax.

4. Improved literacy skills. Reading and writing processes are similar for first and second languages. Skills and strategies are transferable from first to second languages and vice versa.

5. Greater cognitive skills in such areas as mental flexibility, creativity, divergent thinking, and higher-order thinking skills.

6. Enhanced listening skills and memory contribute a significant additional dimension to the concept of communication.

GUIDELINES

• The longer the sequence of foreign language study, the greater the academic, practical, and aesthetic benefits.

• Students with previous language experience at the middle or elementary level need to be placed at the appropriate level.

• On the block schedule (4x4), students should sign up for level I and II consecutively. If a break has to occur, it is better to schedule it between advanced levels (II and III or III and IV).

•By waiting until the last 2 years of high school to enroll in foreign language courses, students may jeopardize their chances for meeting college entrance requirements.

Course Name: 510 French I
Prerequisite: Good knowledge of basic English skills

Eligibility: 9, 10, 11, 12

Length of Course: One term

Credit: One

French I is designed so that the student learns to speak, to understand, to read, and to write simple French. The student learns to ask and answer questions concerning daily life. The student is introduced to and encouraged to appreciate other cultures.

Course Name: 511 French II

Prerequisite: French I

Eligibility: 9, 10, 11, 12

Length of Course: One term

Credit: One

French II is a continuation of the aural-oral approach of the first year, with increasing emphasis on grammar and culture. Vocabulary is increased through readings. An effort is made to make students more sensitive to and more understanding of people from different cultures.

Course Name: 512 French III (weighted)

Prerequisite: French I, II

Eligibility: 10, 11, 12

Length of Course: One term

Credit: One, 1 QP

French III increases listening, speaking, reading, and writing skills, as well as reviews and expands vocabulary usage and grammatical concepts. French literature and civilization are introduced.

Course Name: 513 French IV (weighted)

Prerequisite: French III

Eligibility: 10, 11, 12

Length of Course: One term

Credit: One; 1 QP

This class is taught in French. Students talk about current topics of interest, as well as literature, geography, history, and culture, with grammar presented as needed. Emphasis is placed on listening and writing skills.

Course Name: 513AP French IV (weighted)

Prerequisite: French III

Eligibility: 11, 12

Length of Course: One term

Credit: One, 2 QP

Advanced Placement French Language has the following objectives for students: the ability for students to understand spoken French in various context, a French vocabulary sufficiently ample for reading newspapers, magazines and various writings, and the ability to express oneself coherently, with fluency and accuracy. An AP exam follows the completion of the course.

Course Name: 514 French V (weighted)

Prerequisite: French IV

Eligibility: 12

Length of Course: One term

Credit: One; 1 QP

This class is taught in French. While conversing in French, students have increasing opportunities to express personal feelings and to debate with each other. Grammar is taught as needed, often through translating English to French and French to English. A great deal of reading from literature is done in preparation for the Advanced Placement Test. College credit may be granted based on an acceptable AP exam score.

Course Name: 514AP French V (weighted)

Prerequisite: French IV

Eligibility: 11, 12

Length of Course: One term

Credit: One, 2 QP

Advanced Placement French Literature is designed to introduce students who have advanced language skills to the formal study of a representative body of literary text in French. An AP exam follows the completion of the course.

Course Name: 520 Spanish I

Prerequisite: Good knowledge of basic English skills

Eligibility: 9, 10, 11, 12

Length of Course: One term

Credit: One

Spanish I is designed so that the student learns to speak, to read, and to write simple Spanish. The student learns to ask and to answer simple questions concerning various aspects of daily life. The student is encouraged to appreciate Hispanic cultures.

Course Name: 521 Spanish II
Prerequisite: Spanish I
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Spanish II is designed to increase the student's listening, speaking, reading and writing skills. Vocabulary is expanded, and students are introduced to more complex grammar rules. Students participate in oral grammar drills and oral question and answer exercises. Appreciation for the Hispanic culture becomes more defined.

Course Name: 522 Spanish III (weighted)
Prerequisite: Spanish I, II
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One; 1 QP

The student's skills in listening, speaking, reading, and writing are increased. Vocabulary and grammar concepts are reviewed and expanded. Spanish literature is introduced.

Course Name: 523 Spanish IV (weighted)
Prerequisite: Spanish III
Eligibility: 11, 12
Length of Course: One term
Credit: One, 1QP

This class is mainly taught in Spanish. Students learn to express opinions and feelings. Hispanic culture is presented through literature, the arts, and history. Grammar is taught as needed.

Course Name: 523AP Advanced Placement Spanish IV (weighted)
Prerequisite: Spanish III
Eligibility: 11, 12
Length of Course: One term
Credit: One, 2 QP

Advanced Placement Spanish IV encompasses aural/oral skills, reading comprehension, grammar, and composition. The objectives of the course are for students to comprehend formal and informal spoken Spanish, to develop a strong vocabulary and a grasp for structure, to easily read Spanish writings, to compose passages in Spanish and to develop the ability to express ideas orally with accuracy and fluency. An AP exam follows completion.

Course Name: 524 Spanish V (weighted)
Prerequisite: Spanish IV
Eligibility: 12
Length of Course: One term
Credit: One; 1 QP

This class is mainly taught in Spanish. Focus is on advanced grammar, literature and conversations about literature in preparation for the AP exam. Spanish tapes are used for pronunciation models, listening comprehension, and culture. Grammar is taught as needed through translation exercises. College credit may be granted on an acceptable score on the AP exam.

Course Name: 524AP Advanced Placement Spanish V (weighted)
Prerequisite: Spanish IV
Eligibility: 11,12
Length of Course: One term
Credit: One, 2 QP

Advanced Placement Spanish Literature prepares the student to understand a lecture in Spanish and to participate actively in discussions on literary topics, to read literary texts as all genres in Spanish and to analyze literary works orally and in writing. An AP exam follows completion.

Course Name: 530 Latin I
Prerequisite: Good knowledge of basic English skills
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Latin I is a course designed for students who wish to develop a solid understanding of English grammar and vocabulary as well as a background and understanding for future study of Romance Languages (Spanish, French). Students will learn the basics of Latin grammar, read historical and mythological excerpts, and learn basic Latin composition. Emphasis is placed on the English vocabulary derived from Latin and classical culture and history. Students learn about holidays and special days on the Roman calendar through songs and celebrations.

Course Name: 531 Latin II
Prerequisite: Latin I
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Latin II is a course designed to further the student's knowledge of Latin grammar, Roman history, and Latin/English vocabulary. Students read from Livy's Histories about the founding of Rome and from Caesar's Commentaries of the Gallic Wars. Students learn about the customs and policies of the Roman people during kings, republics, and empires. In addition, students study Roman authors such as Terence and Plautus.

Course Name: 532 Latin III (weighted)
Prerequisite: Latin I, II
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One; 1 QP

Latin III is a course designed for students who wish to learn about the conspiracy of Catiline and Cicero's oration against him. Students also study the Latin for its literary value and structure and historical accuracy. In addition, students learn about republic government and read samples of later Latin, and literature.

Course Name: 533 Latin IV (weighted)
Prerequisite: Latin III
Eligibility: 11, 12
Length of Course: One term
Credit: One; 1 QP

Latin IV is a course in which students study the Golden Age of Rome (Augustan era). Students read parts of the Aeneid and I Claudius. College credit may be granted based on an acceptable score on the AP exam.

Course Name: 540 German I
Prerequisite: Good knowledge of basic English skills
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Introductory German includes pronunciation, vocabulary, infinitives and participles, the present and conversational past tenses, all four cases using all classes of nouns, model auxiliaries, word order, prepositions, conversation, culture, and European geography. Computers will be used for drill and practice.

Course Name: 541 German II
Prerequisite: German I
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

Intermediate German includes pronunciation, reading, translation, the past and future tenses, concentrated work on irregular verbs, dependent clauses, word order, dictation, composition and German culture. Computers will be used for drill and practice.

Course Name: 542 German III
Prerequisite: German I & II
Eligibility: 11, 12
Length of Course: One term
Credit: One

This course is an in-depth study in application of the communication skills learned in levels I and II. Through various activities, students learn to speak the language with more fluency. Literature, history, and grammar are integral parts of the course.

Course Name: 543AP German IV (weighted)
Prerequisite: German III
Eligibility: 11, 12
Length of Course: One term
Credit: One, 2 QP

The Advanced Placement German Language course places an emphasis on the following: a strong command of vocabulary and structure, the ability to understand spoken German in various conversations, to read newspapers and magazines in addition to writing without the use of a dictionary, and fluent and accurate expression of ideas orally and in writing. The AP exam is given at the completion of the course.

Course Name: 544AP German V (weighted)
Prerequisite: German IV
Eligibility: 12
Length of Course: One term
Credit: One, 2 QP

AP German follows a prescribed course of study designed by the College Board that prepares students to take the AP German exam.

Course Name: 180 ESL English as a Second Language
Prerequisite: None
Eligibility: As Needed
Length of Course: As Needed
Credit: One

This course is designed for non-English speaking students. It has 3 levels: beginning, interim, and advanced. The teacher presents language and culture-enhancing classes in a normal class period until students are ready to enter a main-stream class or classes. This course does not count toward English credit for graduation.

**The Satellite Educational Resources Consortium, Inc. organization, offers these classes via satellite dish. The students watch classes on TV and practice speaking by telephone to assistants who are fluent in the language. Books and workbooks are provided as well as audiotapes and dictionaries. These classes provide a different style of learning. They offer exposure to other languages, nations, and cultures which students may not otherwise have an opportunity to explore.*

Course Name: *560 Japanese I
Prerequisite: Good knowledge of basic English skills
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This course is designed to introduce the student to Japanese vocabulary, speech practices and listening. Japanese culture and history are studied. This course is taught through the Satellite Educational Resources Consortium, Inc. at Mt. Pleasant High.

Course Name: *561 Japanese II
Prerequisite: Japanese I
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Japanese II students will learn new vocabulary and points of grammar, increase familiarity with Japanese syllabaries, hiranga, katakana and some Chinese characters. Students will expand knowledge of Japanese culture. This course is taught through the Satellite Educational Resources Consortium, Inc. at Mt. Pleasant High.

Course Name: *562 Japanese III (weighted)
Prerequisite: Japanese II
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One; 1 QP

Students continue to learn vocabulary and grammar, increase familiarity with Japanese syllabaries, hiranga, katakana and Chinese characters. Students continue the study of Japanese culture. This course is taught through the Satellite Educational Resources, Inc. at Mt. Pleasant High.

CAREER TECHNICAL EDUCATION

The following Career Technical Education courses are offered at the high school(s) noted in each individual course description. Students not in attendance at those schools may take the course at a different school providing availability, transportation and time for the particular student are taken in consideration.

The individual courses will be held based on minimum enrollment numbers after registration.

Please note the following key for schools where courses are offered:

CC = Central Cabarrus High School

C = Concord High School

JR = Jay M. Robinson High School

MP = Mt. Pleasant High School

NC = Northwest Cabarrus High School

AGRICULTURE**

Course Name: 793 Agriscience Applications
Prerequisite: None
Eligibility: 9
Length of Course: One term
Credit: One
Offered At: CC, NC

This course provides instruction that focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, and science and agribusiness. Topics of instruction include agricultural awareness and literacy, leadership and FFA, employability skills, introduction to all aspects of the total agricultural industry. Skills in biology, language, writing, computers, math, and physics are reinforced in this course.

Course Name: 796 Animal Science I
Prerequisite: None
Eligibility: 10, 11
Length of Course: One term
Credit: One
Offered At: MP, NC

This course provides instruction focused on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal science career major. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities, and animal evaluation. Skills in biology, chemistry, and algebra are reinforced in this course.

Course Name: 796C Animal Science II
Prerequisite: Animal Science I
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: MP, NC

This course expands upon the scientific knowledge and skills developed in Animal Science I to include more advanced scientific, computation, and communication skills. Topics include animal waste management, animal science economics, decision making, global concerns in the industry, genetics, and breeding. Content knowledge in biology, chemistry, and algebra are reinforced in this class.

Course Name: 721 Agricultural Engineering Technology I
Prerequisite: None
Eligibility: 10, 11
Length of Course: One term
Credit: One
Offered At: MP

This course provides instruction to develop knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. The primary purpose of this course is to prepare students to handle the day-to-day problems, accidents, and repairs they will encounter in their chosen agricultural career. Topics include agricultural mechanics safety, agricultural engineering career opportunities, hand/power tool use and selection, electrical wiring, basic metal working, basic agricultural construction skills related to plumbing, concrete and carpentry, basic welding, and leadership development. Skills in physics, geometry, and algebra are reinforced in this course.

Course Name: 721C Agricultural Engineering Technology II
Prerequisite: Agricultural Engineering Technology I
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One
Offered At: MP

This course expands upon the knowledge and skills learned in Agricultural Engineering Technology I. The course prepares students for a career in the agricultural engineering field. The topics of instruction emphasized are non-metallic agricultural fabrication technology, safe tool and equipment use, human resource development, hot/cold metal working skills and technology, advanced welding and metal cutting skills, working with plastics, and advanced career exploration/decision-making. Skills in physics, geometry, and algebra are reinforced in this course.

Course Name: 710 Horticulture I
Prerequisite: None
Eligibility: 9, 10, 11
Length of Course: One term
Credit: One
Offered At: CC, MP, NC

This course provides instruction in the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, career opportunities, and leadership development. Skills in biology, chemistry, and algebra are reinforced in this course.

Course Name: 711 Horticulture II
Prerequisite: Horticulture I
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One
Offered At: CC, MP, NC

This course expands upon the scientific knowledge and skills developed in Horticulture I to include more advanced scientific, computation and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turf-grass management, career planning, and leadership/personal development. Skills in biology, chemistry, and algebra are reinforced in this class.

Course Name: 712 Horticulture III (Floral Crops)
Prerequisite: Horticulture II
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: MP, NC

The focus of this course is floral crop production and marketing, bedding plant production and marketing, biotechnology and gardening. Instruction is provided primarily through hands-on projects and practical applications of skills taught in Horticulture I and II.

Course Name: 713 Horticulture III (Design)
Prerequisite: Horticulture II
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: MP, NC

Instruction focuses on landscape, interiorscape and floral design. Hands-on instruction is based on information learned in Horticulture II. Cost estimation, blueprint reading, installation practices, and design skills are taught.

Course Name: 714 Landscape Construction & Maintenance
Prerequisite: Horticulture II
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: MP, NC

This course is designed to give practical hands-on instruction for those students interested in Landscaping careers. Units of instruction include lawn maintenance, perennial beds, planting and transplanting, pruning, pest control, landscape installation and basic landscape construction practices.

**Work-based learning strategies appropriate to these courses are field trips, job shadowing, internships, cooperative education, and youth apprenticeships. Simulations, projects, teamwork and FFA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.

Course Name: 798 Agricultural Advanced Studies
Prerequisite: Three technical credits in an Agricultural career major
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC, MP, NC

This is a three-phased exit course for seniors that is career-focused in agricultural education. The three components of the program include a research paper, a product, and a presentation. Students demonstrate their ability to use content and apply knowledge to real-world situations in a career major. In addition, they will also demonstrate their ability to write, speak, apply knowledge, and problem-solve; to use life skills such as time management, planning, follow-through, and organization. Students work under the guidance of a teacher/facilitator in collaboration with community members, business representatives and other school-based personnel.

Course Name: 796D Equine Science
Prerequisite: Animal Science I
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: MP, NC

Students will be provided the opportunity to explore the horse industry including horse production such as draft horses and miniature horses. Topics will include horse biology, nutrition, management, reproduction, health, facilities, pastures, safety, careers, equitation and technology.

Course Name: 761A Agricultural Ed. Apprenticeship
See page 45

Course Name: 723 Agricultural Ed. Co-op
See page 45

Course Name: 916A Agricultural Internship
See page 45

BUSINESS**

Course Name: 604 Business Law
Prerequisite: Keyboarding Skills#
Eligibility: 11, 12
Length of Course: One term
Credit: None
Offered At: CC

This course is designed to acquaint students with the basic legal principles common to business and personal activities. Topics include personal concepts to assist students when evaluating contracts, maximizing purchasing power through credit, purchasing appropriate insurance, and renting and owning real estate. Business concepts such as contracting, ethics, starting a business, hiring employees, managing employees, or representing other businesses as employee or contractor are included. Skills in critical thinking are reinforced in this course along with oral and written communication skills.

Course Name: 602 Principles of Business
Prerequisite: Keyboarding Skills#
Eligibility: 9, 10
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This is an introductory course covering principles and concepts that will be the foundation for future study of business and the management of work projects. Topics of study include basic business principles, management concepts, systems thinking and total quality, and the current environment for business in an international marketplace. Communication skills and basic mathematical concepts are reinforced in the course.

Course Name: 615 Business Management and Applications
Prerequisite: Computer Applications I and either Business & Electronic Communications or Computerized Accounting I
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: C, NC

This course covers the organizational functions of businesses including total quality concepts, project management, and problem solving. Emphasis is placed on analyzing the social, technological, and organizational systems in businesses, such as human relations, communications, records management, and meeting and conference coordination. Skills in communications and mathematics are reinforced as the student uses the appropriate business technology to perform business applications.

Course Name: 612 Accounting I
Prerequisite: Keyboarding Skills#
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on analysis and the recording of business transactions, preparation and interpretation of financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career orientation. Mathematical and critical thinking skills are reinforced.

Course Name: 613 Accounting II
Prerequisite: Accounting I
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, MP, NC

This course reviews the basic foundation for a continuous review of principles taught in accounting I while delving into the accounting cycle for a corporate form of organization. It introduces the accounting control systems and their importance to management. It explores various general accounting adjustments. Time is spent on transactions which are unique to a corporation.

Course Name: 605 Business and Financial Management I
Prerequisite: Computerized Accounting I and Keyboarding Skills#
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, MP

This course is designed as a study of financial and management concepts in a business environment. Topics of study include financial institutions/services, financial planning, consumer rights and responsibilities, credit, investing, and management. Mathematical, economic, and communication skills are reinforced as students gain a better understanding of individual responsibilities to self, to society, and to personnel with whom they will work.

Course Name: 605A Business and Financial Management II
Prerequisite: Business and Financial Management I
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC

This course is designed as an advanced study of financial and management concepts in a business environment. Topics of study include stocks, bonds, annuities, mutual funds, pensions, employment benefits, labor laws, tax laws, business forecasting, and management. Mathematical, economic, and communication skills are reinforced as students gain a better understanding of business responsibilities to stockholders and personnel with whom they will work.

Course Name: 610 Computer Applications I
Prerequisite: Keyboarding Skills#
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course is designed to help students master beginning and advanced skills in the areas of word processing, database management, spreadsheet, telecommunications, and desktop tool applications. Emphasis is on concepts of desktop publishing and presentation graphics as well as skill development in computer application software; ethical issues pertaining to information systems; and computer information system careers. Communication and critical thinking skills are reinforced through the software applications.

Course Name: 611 Computer Applications II
Prerequisite: Computer Applications I
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course is designed to help students master beginning and advanced skills in the areas of desktop publishing, presentation graphics, and integrated software applications while building mastery of telecommunications and on-line services. Emphasis is placed on skill development and refinement of skills in computer application software, common applications of computer information systems in organizations, computer systems planning and acquisition, systems analysis and design, and information systems in an international marketplace. Communication and critical thinking skills are reinforced through the software applications.

Course Name: 614 Small Business/Entrepreneurship
Prerequisite: None
Eligibility: 11
Length of Course: One term
Credit: One
Offered At: CC, JR, MP, NC

This course is designed to introduce students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, and finance a small business. Skills in communication, technical writing, mathematics, research, and problem-solving are reinforced as each student prepares his/her own business plan.

Course Name: 620 Keyboarding Applications – HS
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course is designed to teach basic keying skills, which consist of fluent manipulation of letter, figure/symbol, and basic service keys by “touch.” Emphasis is on the daily use of a computer system to develop skills with concentrated application of these skills to the production of business correspondence. Communication skills are reinforced as the students format, compose, and proofread documents. Areas of study include basic computer skills, computer ethics, applications in word processing, database, spreadsheet and telecommunications.

Course Name: 621 Business and Electronic Communications
Prerequisite: Keyboarding Skills#
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One
Offered At: C, JR

This course provides students essential competencies for oral and written communications in the technological workplace. Emphasis is placed on utilizing the computer to develop written communication skills such as composing memos, letters, and reports; describing processes or mechanisms; and completing forms and responding to e-mail. Utilizing available technology (presentation software and telecommunications) students develop oral communication skills such as delivering oral presentations, giving instructions, interviewing for information, and presenting information/reports in an effective manner.

Course Name: 659 Business Advanced Studies
Prerequisite: Three Business or Marketing credits in a Business Technologies career major
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC, NC

This is a culminating course for seniors that is career focused in Accounting and Finance, Business Administration, Business Management and Ownership, Information Systems, or Office Systems Technology in the business technologies pathway. The three parts of the course include writing a research paper, producing a product, and delivering a presentation. Students demonstrate their abilities to use content and apply knowledge to professional business situations in a selected career. In addition, they will also demonstrate their ability to write, speak, apply knowledge, problem solve, and use life skills such as time management and organization. Students work under the guidance of a teacher/advisor in collaboration with community members, business representatives, and other school-based personnel.

***Work-based learning strategies appropriate to these courses are field trips, job shadowing, internships, cooperative education, and youth apprenticeships. Simulations, projects, teamwork, and FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.*

Course Name: 761B Business and Office Education Apprenticeship
See page 45

Course Name: 659 Business and Office Education Co-op
See page 45

Course Name: 916B Business and Office Education Internship
See page 45

#Keyboarding Skills – defined as a minimum of 35 words per minute with errors corrected, format from rough draft copy of an announcement, memorandum, personal business letter and unbound report, and exhibit proper keyboarding techniques.

FAMILY & CONSUMER SCIENCES**

Course Name: 741 Clothing Design
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, NC

This course includes basic skills in apparel selection, fashion design, and garment construction. Emphasis is on applying design and construction principles to select, design, and construct apparel and home fashions. Skills in mathematics, communication, and science are reinforced.

Course Name: 743 Foods and Nutrition
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One Term
Credit: One
Offered At: CC, C, JR, MP, NC

This course examines nutritional needs of the individual. Emphasis is placed on the relationship of diet to health and on the selection of food to satisfy needs. Skills in science and mathematics are reinforced.

Course Name: 747 Interior Design and Housing
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR

This course examines housing and interiors decisions that individuals and families make based on their needs, the environment, and technology. Emphasis is placed on selecting goods and services and creating functional and pleasing living environments based on sound financial decisions and design principles. Skills in mathematics, technology, and art are reinforced.

Course Name: 749 Parenting and Child Development
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course introduces students to responsible nurturing and basic applications of child development theory. Emphasis is on the parents' responsibilities for and the influences on children while providing care and guidance. Skills in communication, resource management, and problem solving are reinforced.

Course Name: 754 Early Childhood Education I
Prerequisite: Recommended is Parenting & Child Development
Eligibility: 11, 12
Length of Course: One term
Credit: Two
Offered At: CC, C, JR, MP, NC

This course prepares students for careers working with young children birth through age 8. Emphasis is placed on enhancing the development of young children while providing care or teaching. Topics include health, safety, guidance, and developmentally appropriate activities. Skills in communication and interpersonal relationships are reinforced. Comprising 50 percent of the course are work-based learning strategies appropriate for this course, which may include school-based enterprises, internships, cooperative education, and apprenticeship.

Course Name: 754C Early Childhood Education II
Prerequisite: Early Childhood Education I
Eligibility: 12
Length of Course: One term
Credit: Two
Offered At: CC, C, NC

This course prepares students for management careers and business ownership related to working with young children. Topics include curriculum development, record keeping, and personnel management. Skills in communication, management, and interpersonal relationships are reinforced. Comprising 50 percent of the course are work-based learning strategies appropriate for this course, which may include school-based enterprises, internships, cooperative education, and apprenticeship.

Course Name: 715 Interior Design Services I
Prerequisite: Recommended is Interior Design & Housing
Eligibility: 11, 12
Length of Course: One term
Credit: Two
Offered At: CC, C, JR

This course prepares students for entry-level and technical job opportunities in the residential and non-residential interior design fields. Topics include application of design theory to interior plans and production, selection of materials, and examination of business procedures. Skills in technology, art, mathematics, and communication are reinforced. Comprising 50 percent of the course are work-based learning strategies appropriate for this course which may include field trips, job shadowing, school-based enterprises, internships, cooperative education, and apprenticeships.

Course Name: 715C Interior Design Services II
Prerequisite: Interior Design Services I
Eligibility: 12
Length of Course: One term
Credit: Two
Offered At: CC, C,

This course prepares students for professional and entrepreneurial job opportunities in the residential and non-residential interior design fields. Topics include advanced application of design theory to interior plans and production, selection of materials, customer relations, and entrepreneurship in a simulated business environment. Skills in technology, art, mathematics, and communication skills are reinforced. Comprising 50 percent of the course are work-based learning strategies appropriate for this course which may include field trips, job shadowing, school-based enterprises, internships, cooperative education, and apprenticeships.

Course Name: 719 Family and Consumer Sciences Advanced Studies
Prerequisite: Three technical credits in apparel design, community and family services, culinary arts and hospitality, early childhood education, or interior design career area; or three technical and/or related non-required science credits in the food science, dietetics, and nutrition career area.

Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC, NC

This is a culminating course for seniors that are career-focused in the apparel design, community and family services, culinary arts and hospitality, early childhood education, food science, dietetics and nutrition, or interior design career area. The three parts of the course include a research paper, a product, and a presentation. Students demonstrate their ability to use content and apply knowledge to authentic situations in a selected career. In addition, they will also demonstrate their abilities to write, speak, solve problems, and use life skills such as time management and organization. Students work under the guidance of a teacher/facilitator in collaboration with community members, business representatives, and other school-based personnel.

Course Name: 743A Advanced Foods and Nutrition
Prerequisite: Foods and Nutrition or Three technical credits in apparel design, community and family services, culinary arts and hospitality, early childhood education, or interior design career area; or three technical and/or related non-required science credits in the food science, dietetics, and nutrition career area.

Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC, C, NC

Advanced Foods focuses on the creative preparation of foods for entrepreneurship opportunities. Career development in catering and event planning are reinforced in this course. Regional foods, international foods, entertaining, and special events are also emphasized. Work-based learning strategies appropriate for this course are field trips, job shadowing, community service experiences, in-house entrepreneurs, internships, and apprenticeships. Skill development and FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Course Name: 747A Advanced Clothing Design
Prerequisite: Clothing Design
Eligibility:
Length of Course: One term
Credit: One
Offered At: JR

This course provides advanced experiences in fashion design and construction. Emphasis is on mastering advanced construction techniques, handling special fabrics, adjusting patterns, expressing artistic design skills, and using technology. Skills in art, mathematics, communication, and science are reinforced in this course. Work-based learning strategies appropriate for this course are field trips, job shadowing, and service learning. School-based and work based experiences are to culminate with a portfolio. Skill development and FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

****Work-based learning opportunities for these courses include field trips, job shadowing, service learning, school-based enterprises, internships, cooperative education, and apprenticeship. Skill development and FCCA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.**

Course Name: 761F Family & Consumer Sciences Apprenticeship
See page 45

Course Name: 717 Family & Consumer Sciences Co-op
See page 45

Course Name: 916F Family & Consumer Sciences Internship
See page 45

OCCUPATIONAL PREP

Course Name: 924A Occupational Preparation I
Prerequisite: Approval of IEP Team
Eligibility: 9, 10
Length of Course: One term
Credit: One

This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment in their career choice and make career advancements. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Students will be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on vocational training in Workforce Development Education courses and the operation of small businesses. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

Course Name: 924B Occupational Preparation II
Prerequisite: Occupational Preparation I
Approval of IEP Team
Eligibility: 10, 11
Length of Course: Two terms
Credit: Two

This course emphasizes the development of skills generic to all career majors resource management, communication, interpersonal relationship skills, technology, stamina, endurance, safety, mobility skills, motor skills, teamwork, sensory skills, problem solving, cultural diversity, information acquisition/management, and self-management. This course content is focused on providing students with a repertoire of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include on-campus jobs and begin some work-based learning activities. Job seeking skills will also continue to be refined.

HEALTH OCCUPATIONS**

Course Name: 734 Biomedical Technology
Prerequisite: None
Eligibility: 9, 10
Length of Course: One term
Credit: One
Offered At: CC, MP, NC, JR

This survey course challenges students to investigate current and 21st century medical and health care practices using computerized databases, the internet, media, and visiting health team professionals. Topics include the world of biomedical technology, the language of medicine, present and evolving biomedical specialties, biomedical ethics, crises and alternatives, and health career development. Skills in science, mathematics, communications, health, and social studies are reinforced.

Course Name: 734A Health Team Relations
Prerequisite: None
Eligibility: 9, 10
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course is designed to assist potential health care workers in their role and function as health team members. Topics include terminology, the history of health care, health care agencies, ethics, legal responsibilities, careers, holistic health, human needs, change, cultural awareness, communication, medical math, leadership, and career decision-making. Basic academic skills, employability skills, critical thinking skills, teamwork, and the use of technology are reinforced.

Course Name: 730 Allied Health Sciences I
Prerequisite: Biology, Algebra I, Health Education
Eligibility: 11
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course investigates the health care delivery system, its services, occupations, and related sciences. Topics include the study of the language of medicine, medical mathematics, microbiology, anatomy and physiology, diseases/disorders, diagnoses, treatments, patient/client care regimens, career development, and future technological innovations. Skills in science, mathematics, communications, social studies and health are reinforced.

Course Name: 732 Medical Sciences I
Prerequisite: Biology, Algebra I, Health Education
Eligibility: 11
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course uses advanced investigative approaches to the study of human and social sciences as related to medicine and health care. Emphasis includes patient/client psychology, bioethical/legal practices, the language of medicine, body chemistry, microbiology, anatomy and physiology, and the current and futuristic study of diseases and disorders. Work-based learning strategies include service learning, field trips, and job shadowing. Skills in science, mathematics, communications, health, and social studies are reinforced.

**Work-based learning strategies appropriate to these courses are field trips, job shadowing, internships, cooperative education, and youth apprenticeships. Simulations, projects, teamwork, and HOSA leadership activities, meetings, conferences and competitions provide opportunities for application of instructional competencies.

Course Name: 761H Health Occupations
Apprenticeship
See page 45

Course Name: 916H Health Occupations
Internship (all will be developed
Through the Health Academy)
See page 45

HEALTH ACADEMY

The Cabarrus Academy of Health Sciences is a partnership between Cabarrus County Schools, Kannapolis City Schools, Cabarrus College of Health Sciences, Rowan Cabarrus Community College, and the Department of Public Instruction. The mission of the Partnership is to develop students for a well-prepared health care workforce through a continuum of education options that bridge secondary and post-secondary delivery systems.

Students will be selected for admission into the Health Sciences Academy based on an application and interview as well as personal characteristics to include grades, attitude, attendance, honesty, and integrity.

Course Name: 731 Allied Health Sciences II
Prerequisite: Allied Health Sciences I or Medical Sciences I
Eligibility: 12
Length of Course: One term, two periods
Credit: Two
Offered At: CC, C, JR, MP, NC

This course is designed to prepare potential health care workers to become effective and efficient multi-skilled health team members. Emphasis is placed on the development of proficiency in employability skills, emergency care skills, and safety health care skills. The work-based learning strategy appropriate for this course is a minimum 90-hour clinical internship where students deliver health care in local hospitals, medical, dental, veterinarian offices, nursing, convalescent, retirement facilities, wellness centers, etc. Skills in science, mathematics, communications, health, and social studies are reinforced.

Course Name: 733 Medical Sciences II
Prerequisite: Allied Health Sciences I or Medical Sciences I
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC, C, MP, NC

This specialized course is designed to prepare potential health care workers for performance in an advanced technical or professional health career. Emphasis is placed on research, communications, safety, computer literacy, health team relations, problem solving and decision-making. Skills in mathematics, science, and communications are reinforced. Work-based learning strategies include the development of individualized clinical skills specifically related to a selected mentorship (minimum of 45 hours) with an exemplary health professional.

Course Name: 729A Health Sciences Advanced Studies
Prerequisite: Three credits in Health Occupations Education
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: C, MP

This is a culminating course for seniors that is career-focused in a health or medical career. The three parts of the course include a research paper, a product, and a presentation. Students demonstrate their abilities to use content and apply knowledge to real-world situations in a selected career. In addition, they will demonstrate their abilities to write, speak, apply knowledge, problem solve, and use life skills such as time management and organization. Students work under the guidance of a teacher-facilitator in collaboration with community members, business representatives, and other school-based personnel.

MARKETING**

Course Name: 602 Principles of Business
Prerequisite: Keyboarding Skill
Eligibility: 9, 10
Length of Course: One term
Credit: One
Offered At: CC, C, JR
(see course description under Business)

Course Name: 614 Small Business/Entrepreneurship
Prerequisite: None
Eligibility: 11
Length of Course: One term
Credit: One
Offered At: CC, JR, MP, NC

This course is designed to introduce students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, and finance a small business. Skills in communication, technical writing, mathematics, research, and problem-solving are reinforced as each student prepares his/her own business plan.

Course Name: 785 Marketing
Prerequisite: None
Eligibility: 10, 11
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course is designed to help students develop basic knowledge, skills, and attitudes that will prepare them to enter the field of marketing. Focusing on the National Curriculum Framework and National Retail Standards, an emphasis is placed on marketing and business foundations, economic foundations, and human resource foundations. Included in these foundations are concepts such as communications, selling, pricing, promotion, marketing-information management, and product/service planning. Skills in communications, mathematics, and psychology are reinforced.

Course Name: 663 Fashion Merchandising
Prerequisite: None
Eligibility: 9, 10
Length of Course: One term
Credit: One
Offered At: C, JR

This course is designed for students interested in the fashion industry and the merchandising of fashion. Topics include an overview of the evolution and movement of the fashion industry, career development, merchandising, risk management, promotion, and fashion show production. Skills in research, mathematics, textile chemistry, and technical writing are reinforced. Work-based learning strategies appropriate for this course include cooperative education or paid/unpaid internships. Marketing simulations, projects, teamwork, DECA leadership activities, meetings, conferences, and competition provide many opportunities for application of instructional competencies.

Course Name: 786 Marketing Management
Prerequisite: Marketing or Fashion Merchandising
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course is designed to continue the foundations covered in Marketing or Fashion Merchandising. Topics of study include recruiting, hiring, training and evaluating employees; information management; purchasing; pricing; ethics, sales management; and financing. Skills in math,

human relations, communications, and technical writing are reinforced in this course.

Course Name: 605 Business & Financial Management I
Prerequisite: Keyboarding Skill#
Eligibility: 11
Length of Course: One term
Credit: One
Offered At: CC
(see course description under Business)

Course Name: 605A Business & Financial Management II
Prerequisite: Business & Financial Management I
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC
(see course description under Business)

Course Name: 664 Travel, Tourism, and Recreation Marketing
Prerequisite: Keyboarding Skill, Marketing
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC, C

This course is designed to provide a foundation for students interested in a career in travel, tourism, and recreation marketing. Emphasis is placed on the hospitality/tourism industry, customer relations, travel destinations, tourism promotion, economics, and career development.

Skills in mathematics, psychology, geography, and communications are reinforced. Work-based learning strategies appropriate for this course include cooperative education or paid/unpaid internships. Marketing simulations, projects, teamwork, DECA leadership activities, meetings, conferences, and competitions provide many opportunities for application of instructional competencies.

Course Name: 667 Marketing Advanced Studies
Prerequisite: Three Marketing or Business credits in a Business Technologies career major
Eligibility: 12
Length of Course: One term
Credit: One
Offered At:

This course is a three-phased culminating exit course for seniors focused on a marketing career. The three components of the program include writing a research paper, producing a product, and delivering a presentation. Students demonstrate their ability to use content and apply knowledge to real world situations in a career major. In addition, they will also demonstrate their ability to write, speak, apply knowledge, problem solve, and use life skills such as time management, planning, follow through, and organization. Students work under the guidance of a teacher/facilitator in collaboration with community members, business representatives, and other school-based personnel. Simulations, projects, teamwork, DECA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.

****Work-based learning strategies appropriate to these courses are field trips, job shadowing, Internships, cooperative education, and youth apprenticeships. Simulations, projects, teamwork and DECA leadership activities, meetings conferences, and competitions provide opportunities for application of instructional competencies.**

Course Name: 761M Marketing Apprenticeship
See page 45

Course Name: 697 Marketing Co-op
See page 45

Course Name: 916M Marketing Internship
See page 45

TECHNOLOGY**

Course Name: *790 Principles of Technology I
Prerequisite: Recommended are Algebra I and Fundamentals of Technology

Eligibility: 10, 11
Length of Course: One term
Credit: One
Offered At: MP, NC

This course provides a hands-on approach to understanding principles and concepts of technology and associated mathematics. Emphasis is placed on understanding mechanical, electrical, fluid, and thermal systems as they relate to work, force, rate, resistance, energy, and power. Activities are structured to integrate science, mathematics, and language arts.

Course Name: *791 Principles of Technology II
Prerequisite: Principles of Technology I
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: MP, NC

This course is designed as a continuation of Level I. Emphasis is placed on understanding mechanical, electrical, fluid, and thermal systems as they relate to force transformers, momentum, waves and vibrations, energy convertors, transducers, radiation theory, optical systems, and time constants. Activities are structured to integrate science, mathematics, and language arts.

***Courses 790 and 791 may be used to fulfill the physical science requirement for graduation. Both courses must be successfully completed to earn this credit.**

Course Name: 789 Fundamentals of Technology
Prerequisite: None
Eligibility: 9, 10
Length of Course: One term

Credit: One
Offered At: JR

This course provides hands-on experience in principles and processes essential for the technology systems courses and develops a foundation for students interested in any technical field of study. Emphasis is placed on problem solving, design, technical communication, modeling, testing, evaluation, and implications of technology. Activities are structured to integrate physical and social sciences, mathematics, and language and fine arts.

****These courses and Technology Student Association (TSA) technical and leadership activities enhance the skills of students interested in pursuing technical, engineering, or science related careers.**

Course Name: 818 Technology Lab Internships
Prerequisite: Keyboarding & Computer Applications desired

Eligibility: 11, 12 (application & teacher approval)
Length of Course: One term
Credit: One

Technology assistants aid students and teachers in classes that use the technology labs. Daily responsibilities include readying computers for classes, assisting with printing, caring for equipment, and using and assisting with software applications. Assistants will become proficient with networked and stand-alone computers, dot matrix printers, laser printers, digital cameras, flatbed scanners, internet, web page design, and CD ROMs.

Course Name: 761T Technology Education Apprenticeship
See page 45

Course Name: 916T Technology Education Internship
See page 45

TRADE AND INDUSTRIAL EDUCATION**

Course Name: 760 Construction Trade Core Curriculum
Prerequisite: None
Eligibility: 9
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP

This course provides a basic introduction to construction work for all crafts. Topics include basic safety, basic math, hand tools, power tools, blueprints, and basic rigging. Skills in communication, science, mathematics, leadership, work ethics, and career development are reinforced in this course. Work-based learning strategies appropriate for this course are field trips and job shadowing. Hands-on work experiences, VICA leadership and career development activities provide opportunities to enhance classroom instruction and career development.

Course Name: 758 Automotive Service Technology I
Prerequisite: Completed or enrolled in Algebra I
Eligibility: 10
Length of Course: One term
Credit: One
Offered At: JR, MP, NC

This course introduces basic automotive skills and job opportunities in the auto repair industry. Topics include engine theory, automotive service preventive maintenance, brake repair, electrical systems troubleshooting, safety, test equipment, and measuring. Automotive Service Technology I is used as a prerequisite for Automotive Service Technology II and Collision Repair Technology II. Skills in science, mathematics, thinking, and leadership are reinforced.

Course Name: 759 A,B Automotive Service Technology II
Prerequisite: Automotive Service Technology I
Eligibility: 11 (Teacher Approval)
Length of Course: Two terms/periods
Credit: Two
Offered At: JR, MP, NC

This course emphasizes the advanced skills necessary in the automotive industry. Specific instructions are given in troubleshooting, automotive preventive maintenance, minor engine repair, engine performance, and brakes. Reading, math, science, and principles of technology are reinforced in

this course. The Level II course helps prepare students for Automotive Service Excellence (ASE) technician certification.

Course Name: 760 A,B Automotive Service Technology III
Prerequisite: Automotive Service Technology II
Eligibility: 12 (Teacher Approval)
Length of Course: Two terms/periods
Credit: Two
Offered At: JR, MP, NC

This advanced course in auto repair puts emphasis on the practical application of skills and techniques necessary in the automotive industry. Specific instruction is given in engine performance, drive-ability, ignition, and fuel system diagnosis/repair, emission control systems, antilock brakes, electrical diagnosis, steering and suspension. This course further prepares students for Automotive Service Excellence (ASE) certification and/or post-secondary education. Skills in leadership, safety, problem solving, and planning are reinforced.

Course Name: 770 Masonry I
Prerequisite: None
Eligibility: 10
Length of Course: One term
Credit: One
Offered At: CC, MP

This course introduces the nature of masonry technology, materials and supplies, and employability skills. Topics include safety, layout, tools, leveling, plumbing, use of straightedge, and jointing brick and block in wall construction. Reading, mathematics, problem solving, and principles of technology are reinforced.

Course Name: 771 A,B Masonry II
Prerequisite: Masonry I
Eligibility: 11 (Teacher Recommendation)
Length of Course: Two terms/periods
Credit: Two
Offered At: CC, MP

This course provides a continuation of masonry skills, estimating, blueprint reading, and building codes. Topics include constructing walls, corners, sills, and similar structures using a variety of bonds and materials. Skills in safety, leadership, reading, mathematics, problem solving, and career development are reinforced. Geometry or Applied Math I are recommended prerequisites.

Course Name: 772 A,B Masonry III
Prerequisite: Masonry II
Eligibility: 12 (Teacher Recommendation)
Length of Course: Two terms/periods
Credit: Two
Offered At: CC, MP

This course provides advanced masonry skills, leadership development, and the preparation of technical presentations. Topics include constructing composite walls, steps, arches, lattice walls, sidewalks, brick and concrete pavers, window sills, chimneys, and fireplaces. Skills in safety, mathematics, reading, problem solving, and employment skills are reinforced.

Course Name: 776 Construction Technology I
Prerequisite: None
Eligibility: 10
Length of Course: One term
Credit: One
Offered At: CC, C, JR

This course provides a basic introduction to construction work and the technical aspects of carpentry and cabinetmaking. Topics include safety, and measurement; the identification, selection, and use of tools; and equipment, lumber, materials, and fasteners. Basic skills, leadership,

career development, thinking and reasoning skills, mathematics, and principles of technology are reinforced.

Course Name: 776 A,B Construction Technology II
Prerequisite: Construction Technology I and Algebra I
Eligibility: 11 (Teacher Approval)
Length of Course: Two terms/periods
Credit: Two
Offered At: CC, C, JR

This course covers advanced technical aspects of carpentry with emphasis on development of skills introduced in level I. Topics include plans, framing, footings, foundations, roofing, flashing, wall sheathing, insulation, vapor barriers, gypsum board, and underlayment. Skills in measurement, leadership, safety, mathematics, and problem solving are reinforced. Geometry is a recommended prerequisite.

Course Name: 777 A,B Construction Technology III
Prerequisite: Construction Technology II
Eligibility: 12 (Teacher Approval)
Length of Course: Two terms/periods
Credit: Two
Offered At: CC, C

This course covers issues related to planning, management, finance, sales, labor, technology, community, health, environment, and safety. Topics include estimating, leveling instruments, forms, special framing, interior and exterior finishing, cabinets, built-ins, and metal studs. Skills in technical subjects, production, leadership, safety, problem solving, reading, and mathematics are reinforced.

Course Name: 795 A,B Cabinetmaking II
Prerequisite: Construction Technology I
Eligibility: 11 (Teacher Approval)
Length of Course: Two terms
Credit: Two
Offered At: C, JR

This course introduces career information, employment opportunities, and skills required for work in the cabinetmaking industry. Topics include tools and equipment, theory and practice, types of woods, finishes, styles, bonds and fasteners. Skills in mathematics, reading, leadership, safety, and problem solving are reinforced.

Geometry or Applied Math I are recommended prerequisites.

Course Name: 767 Electrical Trades I
Prerequisite: None
Eligibility: 10
Length of Course: One term
Credit: One
Offered At: JR

This course introduces residential wiring, electrical installation and service. Topics include basic electricity, electrical construction codes and practices, the National Electrical Code, the use of test equipment, and electrical hand and power tools. Skills in safety, mathematics, leadership, and problem solving are reinforced.

Course Name: 768 A,B Electrical Trades II
Prerequisite: Electrical Trades I
Eligibility: 11 (Teacher Approval)
Length of Course: Two terms/periods
Credit: Two
Offered At: JR

This course provides advanced instruction in residential wiring and an introduction to electrical theory including AC and DC circuits. Emphasis is placed on test equipment, electrical color coding, conduit bending and installation, electrical measurements, use of polyphase current, specialty tools, transformers, and generators. Skills in safety, leadership, reading, and mathematics, and problem solving are reinforced.

Course Name: 769 Electrical Trades III
Prerequisite: Electrical Trades II
Eligibility: 12 (Teacher Approval)
Length of Course: Two terms/periods
Credit: Two
Offered At: JR

This course covers advanced and detailed instruction in the National Electrical Code and electrical principles and practices. Topics include test equipment, installation of wire in conduit, motors, transformers, generators, uses of different voltages, and control panels. Skills in leadership,

safety, problem solving, and planning are reinforced in this course. Work-based learning strategies appropriate for this course are cooperative education and apprenticeship. Hands-on work experiences and VICA leadership activities provide many opportunities to enhance classroom instruction and career development.

Course Name: 765 A,B Cosmetology I
Prerequisite: None
Eligibility: 11
Length of Course: Two terms, two periods per term
Credit: Four
Offered At: CC, C, JR, MP, NC

This course introduces developmental skills, employment opportunities, and career information required for the cosmetology industry. Topics include facials, manicures, hair cutting, chemical relaxing and restructuring, wet hair styling, and hair coloring and lightening. Skills in mathematics, science, biology, leadership, and problem solving are reinforced. The work-based learning strategy appropriate for this course is a school-based enterprise.

Course Name: 766 A,B Cosmetology II
Prerequisite: Cosmetology I
Eligibility: 12
Length of Course: Two terms, two periods per term
Credit: Four
Offered At: CC, C, JR, MP, NC

This course provides advanced development of processes, techniques, and skills introduced in Cosmetology I. Topics include hair coloring techniques, chemical servicing, identification and treatment of disorders of the skin, scalp and hair, manicuring, pedicuring, artificial nails, hair removal, and permanent waving techniques. Students will receive 1200/1500 hours of training to prepare them for the Cosmetology Board Exam. Skills in chemistry, mathematics, business, thinking, and communication are reinforced. The work-based learning strategy appropriate for this course is a school-based enterprise.

Course Name: 780C Trade and Industrial Work Development I
Prerequisite: None
Eligibility: 11
Length of Course: One term
Credit: One
Offered At: MP, NC

This course combines classroom instruction with skilled on-the-job training in the areas of communication, construction, manufacturing, transportation and related trade areas. In the school-based learning part of the course, emphasis is placed on team development, quality service and products, customer satisfaction, employment acquisition, career analysis, safety standards, and leadership. Students may enroll in the T & I Work Development course, the trade program, or both. Skills reinforced in this course are technical mathematics, measuring, reading, writing, and communication skills.

Course Name: 781C Trade and Industrial Work Development II
Prerequisite: Trade and Industrial Work Development I
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: MP, NC

This course provides skills necessary to become successful in a trade and industrial occupation. In the school-based learning part of the course, emphasis is placed on total quality teamwork, decision-making, running and controlling projects, communication skills, business ownership, and financial planning. Students in this program may enroll in the T & I Work Development course, the trade program, or both. Skills reinforced in this course are technical mathematics, reading, communication.

Course Name: 773C Drafting I
Prerequisite: Algebra I-A
Eligibility: 10, 11
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas and concepts found in the area of architecture, manufacturing, engineering, science, and mathematics. Topics include problem-solving strategies, classical representation methods such as sketching, and geometric construction techniques as well as CAD (computer assisted design), orthographic projection, and oblique and isometric drawings. Skills in communication, mathematics, science, leadership, and problem-solving are reinforced.

Course Name: 774 A,B Drafting – Architectural II
Prerequisite: Drafting I
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course focuses on the principles, concepts, and use of complex graphic tools used in the field of architecture,

structural systems, and construction trades. Emphasis is placed on the use of CAD tools in the creation of floor plans, wall sections, and elevation drawings. Mathematics, science, and visual design concepts are reinforced.

Course Name: 779 Drafting – Architectural III
Prerequisite: Drafting – Architectural II
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course introduces students to advanced architectural design concepts. Emphasis is placed on the use of CAD tools in the design and execution of site and foundation plans as well as topographical information and detail drawings of stairs and wall sections. Teaming and problem-skills are reinforced. Geometry is a recommended prerequisite.

Course Name: 775 Drafting – Engineering II
Prerequisite: Drafting I
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course focuses on engineering graphics-related subjects introducing the student to symbol libraries, industry standards, and sectioning techniques. Topics include coordinate systems, principles of machine processes and gearing, and the construction of 3-D wire frame models using CAD. Mathematics, science, and mechanical engineering concepts involving the working principles and design of cams and gears are reinforced.

Course Name: 797 Drafting – Engineering III
Prerequisite: Drafting – Engineering II
Eligibility: 11, 12
Length of Course: One term
Credit: One
Offered At: CC, C, JR, MP, NC

This course introduces the student to advanced engineering concepts. Using CAD tools, topics studied include descriptive geometry, geometric tolerancing, and advanced engineering design concepts such as surface and

solid modeling. Science and mathematic concepts are reinforced. Geometry is a recommended prerequisite.

Course Name: 799A Trade and Industrial Advanced Studies
Prerequisite: Three technical credits in Trade and Industrial Education
Eligibility: 12
Length of Course: One term
Credit: One
Offered At: CC

This culminating, career-focused course for seniors in T & I programs includes a research paper, product, and presentation. Emphasis is on students demonstrating their abilities to use content and apply knowledge to real-world situations. Skills in leadership, writing, speaking, problem solving, mathematics, and science are reinforced in this course. It is important to connect work-based learning such as an internship, apprenticeship, and/or cooperative education to this course. Students work under the guidance of a teacher facilitator in collaboration with community members, business representatives, and other school-based personnel.

****Work-based learning strategies appropriate to these courses are field trips, job shadowing, Internships, cooperative education, and youth apprenticeships. Simulations, projects, teamwork, and “Skills USA VICA” leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.**

Course Name: 761I Trade & Industrial Education Apprenticeship
See page 45

Course Name: 797 Trade & Industrial Education Co-op
See page 45

Course Name: 916I Trade & Industrial Education Internship
See page 45

WORK-BASED LEARNING OPPORTUNITIES

Work-based Learning experiences are activities at the high school level that involve actual work experience or connect classroom learning to work. To enhance the school-based learning component in each career pathway, all students are highly encouraged to participate in the work-based learning component. Available opportunities are:

1. Field Trips: Short-term supervised group excursions into the real world of work designed to provide students with career awareness and exploration related learning opportunities.
2. Job Shadowing: Very short-term (1/2 day to one week) educational experience in which the student visits business or industry to observe the performance and tasks and activities of a specific occupation/career role model. It is an opportunity for area business/industries to give students firsthand knowledge of an occupation of which they have shown interest.
3. Internship: Extensive educational experience in which the student spends a period of time working in an occupation directly related to his/her high interest career choice. The student will not receive wages but will receive a school elective unit upon satisfactory completion. (Minimum hours required = 135 hours)
4. Cooperative Education: Classroom instruction is combined with paid employment directly related to classroom instruction. Each part contributes to the student's career objective and employability. (Minimum hours required = 225 hours)
5. Youth Apprenticeship: Employer-school partnership that integrates academic instruction, structured vocational training, and paid work-site experience. The program enables high school students to receive on-the-job training, as well as work attitudes, classroom instruction, high school diploma, and a DOL approved certificate of competency.

Connecting activities include:

- Those activities that connect school-based learning to work-based learning
- Middle school experience will be the high school experience
- High school experience with the student's post-secondary choice (further education and training, military choice, additional work, etc.)

YOUTH APPRENTICESHIP

Course Name: 761B Business and Office Education
761M Marketing Education
761A Agricultural Education
761F Family and Consumer Sciences
761O Occupational Home Economics
761H Health Occupations Education
761I Trade and Industrial Education
761T Technology Education

Prerequisite: Interview with Youth Apprenticeship Coordinator – To be approved by Instructor

Eligibility: 10 (must be 16 yrs. old) 11, 12

Length of Course: Varies

Credit: One

Youth Apprenticeship is a system of employee training that combines classroom related instruction with on-the-job

training. The student is officially registered with the Department of Labor. Students are encouraged to enroll in related courses at the high school and post-secondary level that align with their career pathway.

Course Name: 475 Academic Internship
Prerequisite: Approval of mentor teacher
Eligibility: 11, 12
Length of Course: One term: **Credit:** One

COOPERATIVE EDUCATION

Course Name: 659 Business and Office Education (6597)
697 Marketing Education (6697)
717 Family & Consumer Sciences (7197)
797 Trade & Industrial Ed. (7997)

Prerequisite: 723 Agricultural Co-op (6897)
Approval of Vocational Coordinator/
Application to Career Development
Coordinator – To be approved by
Instructor

Eligibility: 11, 12
Length of Course: One term
Credit: One

Cooperative workforce development education provides on-the-job training for students through a cooperative agreement between the school, the employer, and the student. Written training agreements and written training plans between the school and the employers are cooperatively developed and available.

INTERNSHIPS

Course Name: 916B Business & Office Ed. (6598)
916M Marketing Education (6698)
916A Agricultural Education (6898)
916F Family & Consumer Sc. (7198)
*916H Health Occupations Ed.(7298)
916I Trade & Industrial Ed. (7998)
916T Technology Education (8198)

Course Name: 843 Art I
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Art I is a basic introductory course to art fundamentals, art appreciation, and art application. Art I is an activity oriented course that includes the fundamentals of drawing and painting, and color theory. Consideration is given to the exploration of media in both two and three dimensional work.

Course Name: 844 Art II
Prerequisite: Art I; Teacher recommendation
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

An advanced level of art is offered for those who wish to further develop their skills. Stress is placed on the artistic process and the quality of the art produced.

Course Name: 835 Crafts I
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Students study and explore basic manipulative skills in creative design, function, imagery, and expression. Focus is on sculpturing, jewelry design, textile design, fibers and pottery.

Course Name: 841 Fiber Design
Prerequisite: Art I
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Building on color theory, art elements and design principles learned in Art I, this course focuses on the medium of fibers through paper making, weaving, quilting, stitchery, resist dye processes and book making. The course also includes a study of the history of fiber art through various cultures.

Prerequisite: 916C Career (6198)
Application to Career Development
Coordinator – To be approved by
Instructor
Eligibility: 11, 12
Length of Course: One term
Credit: One

CULTURAL ARTS

Course Name: 845 Studio Art I
Prerequisite: Art II, Teacher recommendation
Eligibility: 11, 12
Length of Course: One term
Credit: One

This course is an individual study in which the student continues to develop skills in art and art appreciation through teacher/student planned projects and evaluations.

Course Name: 846 Studio Art II
Prerequisite: Studio Art I
Teacher recommendation
Eligibility: 11, 12
Length of Course: One term
Credit: One

This course is an individual study in which the student continues to develop skills in art and art appreciation through teacher/student planned projects and evaluations.

Course Name: 847 Three Dimensional Art
Prerequisite: Art I and Teacher recommendation
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This class will be offered to Advanced Art students who have demonstrated an understanding of the principles of design. Projects will include realistic and free form sculptural projects using a variety of media such as plaster, wire, clay, paper, and wood. All studio work will be supplemented with the study of artists who work or worked in three-dimension.

Course Name: 848 Pottery I
Prerequisite: Art I
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This course is for anyone who enjoys working with their hands and likes the feel of wet clay between their fingers. The class will involve using hand building and working on the

(*All health science internships will be developed through the Health Academy.)

Internships allow for additional development of workplace competencies. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, perform certain job tasks, and ask questions. This is an exploratory activity available to all students.

potter's wheel. Students will be involved with glazing and firing of the clay objects. Texture, proportions, color, and form will be introduced to enhance the clay projects.

Course Name: 849 Pottery II
Prerequisite: Pottery I and Art I
Teacher recommendation
Eligibility: 10, 11, 12
Length of Course: One term
Credit: One

This class is for students who have experience working with clay. The class will involve a combination of throwing and hand-building techniques. Emphasis will be on form, texture and creativity.

Course Name: 880 AP Art
Prerequisite: Studio Art I
Teacher recommendation
Eligibility: 11, 12
Length of Course: One term
Credit: One, 2 QP

AP Art is a college level art course where students move beyond creative technical skills, to developing strategies for evaluating and critiquing artwork. Each student will create a portfolio of their own artwork following the College Board guidelines. This course requires significantly more commitment and accomplishment than the typical high school course. Outside work is required.

Course Name: 850 Theatre Arts I
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term

Credit: One

This course emphasizes the stage experience. Activities include speeches, pantomimes, improvised scenes, and scripted scenes. Includes an overview of the historical aspects of drama.

Course Name: 851 Theatre Arts II; 852 III; 853 IV

Prerequisite: Theatre Arts I
Teacher recommendation

Eligibility: 10, 11, 12

Length of Course: One term

Credit: One

Building on the foundations learned in Theatre Arts I, this course includes play management, costumes, theatre literature and history, directing, writing, and further development of acting skills.

Course Name: 885 Technical Theatre I

Prerequisite: None

Eligibility: 9, 10, 11, 12

Length of Course: One term

Credit: One

This course is designed for students to learn practical production, including design, scenery, lighting, sound, costuming, properties management and stage management. Advanced students will have major supervisory positions on school productions.

Course Name: 886 Technical Theatre II

Prerequisite: None

Eligibility: 9, 10, 11, 12

Length of Course: One term

Credit: One

This course is designed for students to learn practical production, including design, scenery, lighting, sound, costuming, properties management and stage management. Advanced students will have major supervisory positions on school productions.

Course Name: 854 Musical Theatre

Prerequisite: Audition

Eligibility: 9, 10, 11, 12

Length of Course: One term

Credit: One

The Musical Theatre course will explore the genesis and development of this homegrown theatrical genre from its origin in European opera to the present day. Students will

understand the musical both in theory and in practice, from a clinical study of the genre to a practical application of its many facets: performance, voice, choreography, character development, story line and stagecraft. Students will literally take a journey with the pieces from the page to the stage and will also learn the craft of telling a story and expressing both characterization and emotion through song. The Musical Theatre course will allow students of theatre to take their previous coursework deeper into another theatrical format and hone their dramatic and musical skill in an environment which will both challenge and encourage them to develop themselves artistically and intellectually.

Course Name: 857 Beginning Vocal Music Education

Prerequisite: Three terms of chorus
Teacher recommendation

Eligibility: 12 only

Length of Course: One term

Credit: One

This course is for serious learners who want to pursue a college career in music. Student would rehearse a total of 45 minutes per day with class, and are videotaped for self-evaluation and teacher grading purposes. During each concert, students solo-conduct one piece. Advanced theories and techniques will be studied.

Course Name: 860 Chorus 1A, 861 1B

Prerequisite: Teacher's recommendation

Eligibility: 9, 10, 11, 12

Length of Course: One or Two terms

Credit: One or Two

The mixed chorus is an intermediate level class that emphasizes the development of correct singing and music reading. Although performance as a choral group is not considered essential to this class, performances are included as the quality of this group makes it possible. 1A is offered first term; 1B is offered second term.

Course Name: 862 Advanced Chorus A;

863 Advanced Chorus B

Prerequisite: Audition

Eligibility: 10, 11, 12

Length of Course: One or Two terms

Credit: One or Two

The advanced chorus emphasizes singing, advanced music reading, and quality performance, both individually and as a chorus. Many public performances are given each year, both in and out of the community. Advanced Chorus A is offered first term; Advanced Chorus B is offered second term.

Course Name: 864 Women's Ensemble I
865 Men's Ensemble I

Prerequisite: Students are required to audition

Eligibility: 9, 10, 11, 12

Length of Course: One term

Credit: One

The Ensembles are designed for interested choral students. Prior choral experience is not a requirement. Students learn the importance of singing with pure vowels and energetic consonants. Emphasis is placed on correct body alignment, correct use of the diaphragm, vocal range and adding notes to the bottom as well as to the top of the range.

Course Name: 866 Mixed Vocal Ensemble

Prerequisite: Prior music course and Teacher Recommendation

Eligibility: 11, 12

Length of Course: One term

Credit: One

This course is for those students who have acquired intermediate level music skills and are interested and motivated to achieve a high level of performance quality.

Course Name: 868 Honors Chorus A

Mixed Ensemble (weighted)

Prerequisite: Completion of Chorus I and II
Director's recommendation/audition

Eligibility: 11 (only)

Length of Course: One term (Spring only)

Credit: One elective; 1 QP

This course is intended to challenge students to discover higher levels of ability and to integrate perceptions through vocal music interpretations. It serves as a means of personal, social, musical and emotional expression through utilization of music on the highest level of performance. Students will be expected to do analyses and study music history as it relates to music performed in concerts, competitions, etc. Students will also be expected to know appropriate musical vocabulary and symbols, and develop an appreciation for music in relation to styles of music, music periods, composers, and various cultures. Students will also

be expected to expand abilities in conducting, theory analysis and music history.

Course Name: 869 Honors Choral Music B (weighted)
Prerequisite: Director's recommendation/audition Completion of Honors Chorus A
Eligibility: 12 (only)
Length of Course: One term (Spring only)
Credit: One elective; 1 QP

This course is the highest level of the vocal music program. In this portion of the sequencing in choral arts, students are expected not only to perform in ensembles, but also to perform solo or quarter music, singing each part independently. Advanced intervallic ear training is needed so that students are able to sight-read music readily and to incorporate theory into their musical language and analyses. Improvisation, knowledge of chord progressions, tonality, and their uses within the performance and learning of musical scores will help students as they begin to take an individual piece of music from beginning to end in performance.

Course Name: 870 Marching Band
Prerequisite: Audition
Eligibility: 9, 10, 11, 12
Length of Course: Fall semester; one term
Credit: One

This course is offered to any student who has played a musical instrument in the school system. The marching band requires after school rehearsal, all football games, parades and competitions. Colorguard, which may not be made up of the instrumentalists, will be chosen upon auditions in the spring semester. Students may sign up for this course with the consent of the instructor.

Course Name: 871 Concert Band
Prerequisite: Audition
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Concert Band is offered to any student who has played an instrument in the school system. In this course, students will learn musical works of various composers, music appreciation, technique and proficiency on their instrument, musical terms and music theory. This course has after-school and/or weekend performance requirements.

Course Name: 872 Jazz Ensemble
Prerequisite: Audition and consent of the instructor
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Jazz Ensemble will be offered to those students interested in learning about and playing jazz. This course includes jazz technique, reading music, improvisation, listening, and appreciation. The jazz ensemble may perform concerts.

Course Name: 873 Music Theory and Composition
Prerequisite: None
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

Music Theory is offered to any student interested in learning how music works and is developed. Students learn notes, intervals, chords, rhythms, vocabulary, scales and keyboard skills as well as how to read and write music.

Course Name: 874 Wind Ensemble
Prerequisite: Director's recommendation/audition
Eligibility: 9, 10, 11, 12
Length of Course: One term, two terms
Credit: One

The wind ensemble is the most advanced instrumental ensemble. Significant band literature (level 5 or 6) is studied and performed. Individual musical ability is constantly evaluated and private lessons are encouraged. Course has performance and after school requirements.

Course Name: 877 Percussion
Prerequisite: Consent of the instructor
Eligibility: 9, 10, 11, 12
Length of Course: One term
Credit: One

This course will be offered in order for percussion students to be able to perform at the highest level of each student. Students will be exposed to and offered opportunities to perform on various percussion instruments. Instruction on correct playing methods, history and music theory will be included. This course will involve preparation for concerts with one of three bands. Students will audition for placement with concert band, symphonic band or wind ensemble during the spring semester, for the following school year. Students will also perform literature specific to the percussion genre as an ensemble or solo work. This course has performance requirements outside of school hours.

Course Name: 875 Symphonic Band
Prerequisite: Director's recommendation/audition
Eligibility: 9, 10, 11, 12
Length of Course: One term/two terms
Credit: One

The Symphonic Band is an advanced instrumental ensemble. Significant concert band literature is studied and performed. Individual musical ability is constantly evaluated and private lessons are encouraged. This course has performance and after school rehearsal requirements.

Course Name: 878 Honors Band A (weighted)
Prerequisite: Director's Recommendation/audition
Eligibility: 11 (only)
Length of Course: One term (Spring only)
Credit: One elective; 1 QP

Students must meet all requirements of the most advanced instrumental ensemble course offered at the school and successfully perform music at Level 5 or 6. Additional requirements include NC Solo Festival Participation, additional scale and performance requirements, along with written assignments. Individual musical ability is constantly evaluated and private lessons are encouraged.

Course Name: 881 Honors Band B (weighted)
Prerequisite: Director's recommendation/audition
Eligibility: 12 (only)
Length of Course: One term (Spring only)
Credit: One elective; 1 QP

Students must meet all requirements of the most advanced instruments ensemble course offered at the school and successfully perform music at Level 5 or 6. Additional requirements include NC Solo Festival Participation, additional scale and performance requirements, along with written assignments. Individual musical ability is constantly evaluated and private lessons are encouraged.

MISCELLANEOUS

Course Name: 904A Computer Remediation
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
Credit: One

This course is designed to assist students in mastering the competencies covered by the NC Computer Competency Test. Instruction will focus on keyboarding skills, spreadsheets, use/creation of a database, work processing, societal issues including computer ethics, and telecommunications.

Course Name: 910 Aerospace Science I
(Air Force Junior ROTC is available to ALL students in Cabarrus County)

Prerequisite: at Central Cabarrus High School) Must be 14 years of age, a citizen of the U.S., and physically capable of participating in military drill

Eligibility: 9, 10, 11, 12 (Note: only one term of JROTC may be taken per academic year unless approved by the JROTC Instructors)

Length of Course: One term
Credit: One

Academic studies and leadership training comprise the two divisions of the course. Included in the academic portion are studies of aviation, Air Force history, and military. The leadership portion of the course includes drill and development of personal attributes including responsibility and self confidence. Participation is encouraged in such extracurricular activities as parades, color guards, honor guards, drill and rifle team, model rocketry club, the annual military ball, and awards and decorations banquet. All uniforms, as well as tests, are provided by the United States Air Force.

Course Name: 911 Aerospace Science II (Air Force Junior ROTC)

Prerequisite: Completed Aerospace Science I with a grade of "C" or higher

Eligibility: 10, 11, 12 (Note: only one term of JROTC may be taken per academic year unless approved by the JROTC Instructors)

Length of Course: One term
Credit: One

Second year academic focus rotates each academic year between a science course designed to acquaint the student with the principles of flight or one designed to deal with topics involved in the exploration of space. The course on principle of flight begins with a study of the atmosphere and weather, examines basic aerodynamic terms, and concludes with an examination of the earth and solar system, the fundamentals of rocketry and its application to spacecraft,

the principles underlying space travel, and other aspects of space exploration. In addition, second year cadets have entry level leadership positions within their flights and the JROTC Group. Extracurricular activities are the same as specified in AS I.

Course Name: 912 Aerospace Science III (Air Force Junior ROTC)

Prerequisite: Completed Aerospace Science II with a grade of "C" or higher

Eligibility: 11, 12 (Note: only one term of JROTC may be taken per academic year unless approved by the JROTC instructors)

Length of Course: One term
Credit: One

Third year academics consist of the courses described in AS II above. Example: If AS II academics consisted of the principles of flight, AS III academics will be the exploration of space. In addition, selected third year cadets will fill important leadership positions at both the flight and the JROTC Group Staff levels. Extracurricular activities are the same as specified in AS I.

Name: 913 Aerospace Science IV (Air Force Junior ROTC)

Prerequisite: Completed Aerospace Science III with a grade of "C" or higher and selected to participate by the JROTC Instructors

Eligibility: 12 (Note: only one term of JROTC May be taken per academic year Unless approved by the JROTC Instructors)

Length of Course: One term
Credit: One

Select fourth year JROTC cadets will serve as leadership assistants in AS I and AS II/III classes. They will assist the JROTC instructors in the administration and leadership training of the Cadet Group. These cadets will have major leadership positions in the Group to include Group, Deputy Group Commander, Squadron Commander, and Flight

Commanders. Extracurricular activities are the same as specified in AS I.

Course Name: 914 Aerospace Science IVGS Honors (Air Force Junior ROTC) (weighted)

Prerequisite: Completed Aerospace Science III with a grade of "C" or higher and selected to participate by the JROTC Instructors)

Eligibility: 11, 12 (Note: only one term of JROTC may be taken per academic year unless approved by the JROTC Instructors)

Length of Course: One term
Credit: One; 1 QP

Private pilot ground school. Select JROTC cadets will have the opportunity to take a semester-long Federal Aviation Administration approval ground school course designed to prepare them to pass the Private Pilot Written examination. Course credit will be awarded when the examination is passed. Note: Cadets who successfully complete AS III and are not selected AS IV leadership assistants may apply for this course. Cadets who serve as AS IV leadership assistants may also take this ground school. Cadets enrolled in this course will also be expected to assume leadership positions within the Cadet Group.

Course Name: 901 Library Science

Prerequisite: None

Eligibility: 11, 12; Application and teacher approval

Length of Course: One term
Credit: One

This course is a study of library operation and its resources. Topics include media terms, the library and its classification, card catalog, Reader's Guide, dictionaries, encyclopedias, reference books, parts of books, AV equipment and materials, electronic resources, and computer technology awareness. This course makes use of all types of resources and allows students to assist classmates in their use.

Course Name: 900 Office Practice/Internship

Prerequisite: Application to Principal

Eligibility: 11, 12

Length of Course: One term**Credit: One credit (Not to be included in credits needed for graduation)**

This course is designed to provide students an opportunity to work in an office setting during school. Students work either in the main office or the guidance office. As receptionists, students are expected to utilize appropriate business etiquette in meeting visitors and in answering the telephone. In addition, students must be capable of disseminating information, arranging referrals, and be able to demonstrate maturity, responsibility, integrity, and an interest in acquiring practical experience.

Course Name: 903 Cadet Teaching I**Prerequisite: Application, recommendation and approval of teacher****Eligibility: 11, 12****Length of Course: One term****Credit: One**

Cadet Teaching is a course designed to give high school juniors and seniors who are interested in pursuing a career in education, or other related fields, the opportunity to receive hands-on experience in a classroom setting. In addition to internship experiences in elementary and middle school classes, the course curriculum includes writing, research, case-studies, interviews, reading assignments, group activities and seminars.

Course Name: 903A Cadet Teaching II**Prerequisite: Cadet Teaching I****Eligibility: 11, 12****Length of Course: One term****Credit: One**

This course is an extension of Cadet Teaching I. Students will extend their internship experience to include both elementary and middle school. The curriculum does include writing, research case studies. Interviews, reading assignments, group activities and seminar.

Course Name: 904 Student Mentor**Prerequisite: Teacher and Department Recommendation****Eligibility: 11, 12****Length of Course: One term****Credit: One credit (Not to be included in credits needed for graduation)**

The purpose of the student mentor program is to provide highly motivated students with the opportunity to support the instructional program within individual classrooms by providing peer tutoring, assistance with classroom activities, and support for special needs students. Student mentors also assist with cooperative learning groups, lab activities, and daily instructional activities. Finally, the Mentor Program provides a unique enrichment opportunity for students who express genuine interest in a particular subject area.

Course Name: 902 Peer Helpers/Peer Mediation**Prerequisite: Application and teacher approval****Eligibility: 11, 12****Length of Course: One term****Credit: One**

This class will provide training to peer helpers and involve them in providing assistance to other students. Peer helpers will provide assistance through peer mediation, peer tutoring, and peer support with the supervision of the teacher and school counselor in charge of the program. Students may spend part of their class time assigned to other classes or neighboring schools providing assistance to younger students in their classrooms. Involvement in all aspects of the program requires parental approval.

Course Name: 438 International Studies**Prerequisite: None****Eligibility: Only students enrolled in Academy of International Studies****Length of Course: Two terms****Credit: Two credits**

International studies is a seminar course in which students will analyze various aspects of the global economy. Concentration is placed on the economic, geo-political and social-cultural issues that shape international business and marketing. This course is limited to students enrolled in the Academy of International Business and Marketing at CHS.

Course Name: 905 Freshman Seminar**Prerequisite: None****Eligibility: Highly recommended for all 9th****Graders****Length of Course: One term****Credit: One**

This course is designed to facilitate the transition from middle to high school. Self-esteem, responsible decision-making, problem solving, relating effectively to the educational environment, and study skills are all a part of the course curriculum. Students are introduced to the media center, computer lab, and the variety of student services offered at the high school. The students will develop a four-year school plan based on a career interest inventory, academic aptitude, and career interests.

Course Name: 920 Curriculum Assistance for EC**Prerequisite: Approval of School Base Committee****Length of Course: One Term****Credit: One**

This course is designed to assist an EC student in being successful in the regular education class. Placement is determined by the IEP Committee. This course is offered each semester for elective credit. Additional content areas may include but are not limited to: study skills, learning strategies, test taking skills, communication skills, listening skills, social skills, self-advocacy skills and computer skills.

Course Name: 906 Leadership**Prerequisite: Elected office or teacher approval****Eligibility: 9, 10, 11, 12****Length of Course: One term****Credit: One**

This course is designed to develop leadership qualities in high school students. Students will participate in developing and leading school activities. This course is highly recommended for members of student council.

Course Name: 909 SAT Preparation Course**Prerequisite: Geometry****Eligibility: 10, 11, 12****Length of Course: One term****Credit: One**

This course will review both math and verbal skills. The math portion will include a refresher course in arithmetic, algebra and geometry skills while also developing test-taking strategies for the new SAT. The verbal portion will include activities to build vocabulary, work to improve reading comprehension, practice on sentence completion, and strategies for completing analogies.

Course Name: 761CS Community Service Internship**Prerequisite: Approval of subject teacher****Eligibility: 11, 12****Length of Course: One term****Credit: One**

This course provides students with the opportunity to serve the community through volunteer work through approved community service agencies. Students are not paid for the community service work but receive academic credit based on the length of the community service internship.

Course Name: 174 Multimedia Technology**Prerequisite: Teacher approval****Eligibility: 9, 10, 11, 12****Length of Course: One term****Credit: One**

This course will introduce multimedia concepts including hardware/software configurations, evaluation of multimedia

software, exploration of strategies for utilizing multimedia, and student-led creation of professional quality, multimedia-based educational products and services for use in the 9-12 classrooms. The curriculum will enable students to better understand emerging multimedia technologies and impact on both the personal and professional career environments. The project-based learning makes connections with students' real life experiences and use technology as a tool to create and understand knowledge. Students will become proficient users of various multimedia tools and software applications such as HYPERSTUDIO, POWERPOINT, QUICKTAKE Cameras, scanners, etc.

Course Name: 475 Academic Internship

**HIGH SCHOOL EQUIVALENCY
PROGRAM
(GED)**

The High School Equivalency Program (GED) provides an opportunity for students who have fallen behind their peers, who are contemplating dropping out, or who have given up on obtaining a diploma to prepare for the General Education Development Test (GED). This test enables the student to demonstrate his/her general education competencies and be awarded a North Carolina Equivalency Diploma. The GED diploma is generally recognized and accepted as equivalent to a traditional high school diploma. Instruction is provide through the YES Center using an electronics integrated learning program (PLATO) in literature, math, science, social studies, and writing skills. Students are also encouraged to participate in the workforce development program of their choice.

To receive the GED diploma, a total standard score of 225 on the GED test battery is required with no single score below 40. It takes approximately eight hours to complete the entire GED Test battery. A one time testing fee of \$7.50 is required.

For more information, see your guidance counselor.

COOPERATIVE HIGH SCHOOL HUSKINS OFFERING FOR 2002-2003

ROWAN-CABARRUS COMMUNITY COLLEGE/ CABARRUS COUNTY SCHOOLS

The Cooperative High School (Huskins) program offers students an uninterrupted educational flow from high school into programs at Rowan-Cabarrus Community College and other post-secondary institutions. The objectives of the Cooperative High School (Huskins) Program are:

1. To provide a program for the benefit of selected high school students by providing college level educational opportunities not otherwise available;
2. To enhance the motivation and achievement of students who participate in the program; and
3. To improve the equalization of opportunities among high schools throughout the state by offering advanced and special courses which are both college level and for college credit.

Admission to the Program:

All students who are interested in taking a Cooperative High School (Huskins) class must meet the following criteria:

1. Secure approval of high school guidance counselor;
2. Complete an RCCC Admissions Application and submit a copy of high school transcript;
3. Complete and RCCC registration form noting the desired courses; and
4. Take the RCCC ASSET test which is designed to measure a student's verbal, reading and math skills.

Upon successful completion of Cooperative High School (Huskins) classes, students will receive high school credit toward graduation and college credit. A report of college work will be sent to the student at his/ her home address.

There is no tuition cost for the program. Some courses may require a supply fee ranging from \$4 to \$20. The college also requires that each student be covered by accident insurance. The cost for this coverage is \$2.55 per semester. Each student will be responsible for applicable course fees and the purchasing of their textbooks. All courses under the cooperative High School (Huskins) Program will receive a letter grade. The college's grading scale is based on the 4-pointing system as follows:

A = 93-100	Excellent	W = Withdrew
B = 85-92	Good	AU = Audit
C = 77-84	Average	CE = Credit by Exam
D = 70-76	Below Average	S = Satisfactory
F = Failing		U = Unsatisfactory

I = Incomplete (*Written agreement between instructor and student is required. Work must be completed prior to the end of the following semester.*) Special course listings for the Cooperative High School program are included in the Curriculum Guide.

CABARRUS COUNTY/RCCC COOPERATIVE HIGH SCHOOL COURSE OFFERINGS

The purpose of the cooperative program is to make available the opportunity of enrichment of high school students, college level academics, technical and advanced vocational courses not otherwise available to them. A student could earn .5 high school credit as well as three (3) semester hours of college credit for each RCCC course completed.

Students may take up to two (2) RCCC courses each semester, thus earning a full unit of high school credit. Most courses will be offered either on a Monday-Wednesday-Friday basis or Tuesday-Thursday basis. The time schedule is as follows: (*)

HUSKINS COURSE OFFERINGS 2002-2003

NOTES: Each student will be required to pay **\$2.55 for accident insurance per semester** in addition to the applicable course fees. If students are taking a first term (fall) class(s), they must be a Junior or Senior in order to enroll in the Huskins Program. Students must also take an ASSET placement test at RCCC's South Campus to be eligible for Huskins Courses by April 24, 2002.

CRIMINAL JUSTICE

Course Name: CJC 111 Introduction to Criminal Justice
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: CJC 121 Law Enforcement Operations
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term (Spring only)
HS Credit: One
College Credit: 3 semester hours

INFORMATION SYSTEMS/PROGRAMMING

Course Name: CIS 110 Introduction to Computers
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: CIS 130 Survey of Operating Systems
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: CIS 115 Introduction to Programming
And Logic
Prerequisite: Acceptable Asset Scores in Algebra
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: CSC 139 Visual BASIC Programming
Prerequisite: CIS 110 and CIS 130
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

ARTS AND SCIENCES CURRICULUM
(All of these transfer to the University System)

Course Name: ASL 111 American Sign Language I
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: BIO 168C Anatomy & Physiology I
Prerequisite: None
Eligibility: 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: BIO 168L Anatomy & Physiology Lab I
Prerequisite: None
Eligibility: 12
Length of Course: One term
HS Credit: Credit will be awarded with successful completion of BIO 168C
College Credit: 1 semester hour

Course Name: PSY 150 General Psychology
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: SOC 210 Intro to Sociology
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: ASL 112 American Sign Language II
Prerequisite: ASL 111
Eligibility: 11, 12
Length of Course: One term

HS Credit: One
College Credit: 3 semester hours

Course Name: BIO 169C Anatomy & Physiology II
Prerequisite: BIO 168C
Eligibility: 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: BIO 169L Anatomy & Physiology Lab II
Prerequisite: BIO 168L
Eligibility: 12
Length of Course: One term
HS Course: Credit will be awarded upon successful completion of BIO 169C
College Credit: 1 semester hour

Course Name: COM 231 Public Speaking
Prerequisite: English IV
Eligibility: 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: ENG 111 Expository Writing
Prerequisite: ENG IV
Eligibility: 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

(This course can fulfill Freshman English requirement in the University System. Student must complete English I-IV at high school and not be currently registered in AP English.)

Course Name: BUS 115 Business Law
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: ECO 251 Principles of Microeconomics
Prerequisite: Acceptable ASSET scores in Math
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 3 semester hours

Course Name: HUM 160 Introduction to Film
Prerequisite: None
Eligibility: None
Length of Term: One
HS Credit: One
College Credit: 3 credit hours

Course Name: MAT 161 (College Algebra)

(Student must take all sections of ASSET and score a 42 on the Elementary Math and a 40 on the Intermediate Math.)

Prerequisite: Acceptable ASSET Score
Eligibility: 11, 12
Length of Term: One
HS Credit: One
College Credit: 3 credit hours
Course Name: REL 110 World Religion
Prerequisite: None
Eligibility: 11, 12
Length of Term: One
HS Credit: One
College Credit: 3 credit hours

Air Conditioning, Heating, & Refrigeration

Course Name: AHR 110 Introduction to Refrigeration
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: One
College Credit: 5 semester hours

Course Name: AHR 111 HVACR Electricity
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: .5
College Credit: 5 semester hours

Course Name: AHR 112 Heating Technology
Prerequisite: None
Eligibility: 11, 12
Length of Course: One term
HS Credit: .5
College Credit: 5 semester hours

Course Name: AHR 125 HVAC Electronics
Prerequisite: AHR 111
Eligibility: 11, 12
Length of Course: One term
HS Credit: .5
College Credit: 4 semester hours

Course Name: AHR 115 Refrigeration Systems
Prerequisite: AHR 110
Eligibility: 11, 12
Length of Course: One term
HS Credit: .5
College Credit: 4 semester hours

Course Name: AHR 130 HVAC Controls
Prerequisite: AHR 111
Eligibility: 11, 12

Length of Course: One term
HS Credit: .5
College Credit: 4 semester hours

Course Name: AHR 140 All-Weather Systems
Prerequisite: AHR 112
Eligibility: 11, 12
Length of Course: One term
HS Credit: .5
College Credit: 4 semester hours

HUSKINS COURSES

Course Name: Introduction to Refrigeration
Prerequisite: None
Length of Course: One term
Credit: One
College Credit: 5 semester hours
Offered At: JR

This course introduces the basic refrigeration process used in mechanical refrigeration and air conditioning systems. Topics include terminology, safety, and identification and function of components; refrigeration cycle; and tools and instrumentation used in mechanical refrigeration systems. Upon completion students should be able to identify refrigeration systems and components, explain the refrigeration process, and use the tools and instrumentation of the trade.

Course Name: HVAC Electricity and Heating Technology
Prerequisite: Introduction to Refrigeration
Length of Course: One term
Credit: One
College Credit: 7 semester hours
Offered At: JR

This course introduces electricity as it applies to HVACR equipment and the fundamentals of heating including oil, gas, and electric heating systems. Emphasis is placed on power sources, interaction of electrical components, wiring of simple circuits, the use of electrical testing equipment, safety, tools and instrumentation, system operating characteristics, installation techniques, efficiency testing, electrical power, and control systems. Upon completion, students should be able to demonstrate good wiring practices, the ability to read simple wiring diagrams, explain basic oil, gas, and electrical heating systems, and describe the major components of a heating system.

Course Name: HVAC Electronics and Refrigeration Systems
Prerequisite: HVAC Electricity and Heating Technology
Length of Course: One term
Credit: One
College Credit: 8 semester hours
Offered At: JR (2002-2003)

This course introduces the common electronic control components in HVAC systems, refrigeration systems, and commercial comfort systems. Emphasis is placed on identifying electronic components and their functions in HVAC systems, motor-driven control circuits, defrost methods, safety and operational control, refrigerant piping, refrigerant recovery and charging, and leak

testing. Upon completion, students should be able to identify components, describe control circuitry and functions, use test instruments to measure electronic circuit values and identify malfunctions, assist in installing and testing refrigeration systems and perform simple repairs.

Course Name: HVAC Controls and All-Weather
Systems
Prerequisite: HVAC Electronics & Refrigeration
Systems
Length of Course: One term
Credits: One
College Credit: One
Offered At: JR (2002-2003)

The course covers the types of controls found in residential and commercial comfort systems. The principles of combination heating and cooling systems including gas-electric, all-electric, and oil-electric systems. Topics include electrical and electronic controls, control schematics and diagrams, test instruments, analysis and troubleshooting of electrical systems, PTAC's and package and split-system units. Upon completion, students should be able to diagnose and repair common residential and commercial comfort system controls as well as understand systems performance and perform routine maintenance procedures.