

# **Biology Semester Project**

## **Choice B: PowerPoint – Phylum or Class**

**You will be creating a slideshow presentation that covers the classification, physical characteristics and adaptations for one animal PHYLUM OR CLASS. Your project will include at least 10 graphics AND accompanying text frames. You will present your work to the class & will be expected to talk us through your slideshow presentation.**

**Although some class time will be given to do your work, you will be responsible for budgeting your time outside of classes and finding additional resources. You will find the Internet to be extremely helpful. Make sure you do not wait until the last minute to start and ask for help if you need it. Have fun!**

### **The following must be completed to receive full credit...**

- Your presentation is in digital format (CD, flash drive) that is PC compatible.
- Your presentation provides an introduction to the classification, physical characteristics and adaptations that these animals share, in the form of BOTH pictures and text. Use the worksheet on the back to gather the required information.
- All of the required project information you discuss in your presentation to the class has been included in the PowerPoint slideshow as text. I should be able to view your presentation later on and understand everything about your group of animals without you there to explain things.
- You have included a minimum of 10 graphics (pictures). These may be shown on the same slides as your text or separate from the text. I recommend that some of your graphics are examples of species in this group and other graphics show some of the physical characteristics common to members of the group.
- Your graphics make sense in the slideshow... The pictures you use should follow along with the text your audience reads.
- You will show your presentation to the class. You should know your text well enough that you do not need to read it off the screen and are able to ‘talk’ to your audience about your slideshow presentation. A good presenter makes eye contact, speaks clearly & enthusiastically describes their ideas to their audience.
- Your class presentation should run about 4-5 minutes in length.
- Access to a computer can be arranged through the teacher for this project.

### **Deadlines...**

Topic selection – 5/9, 10 & 11  
Class time project work – 5/14 & 5/15  
Worksheet due – 5/16 & 5/17  
Projects due – 6/4 & 6/5  
Presentations – 6/4, 5, 6 & 7

### **Grading...**

Slideshow Content.....50%  
Slideshow Graphics.....30%  
Creativity/Visual Appeal.....10%  
Presentation Skills.....10%

# Project Worksheet

As you research your topic, you may find that 1 or 2 of the items below do not apply to your project topic... Your goal is to get as much of the following information AS POSSIBLE.

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1. What is your phylum or class name?
2. What kinds of organisms fall into this phylum or class?
3. Name the classes (or) orders that your phylum (or) class is divided into? Give examples of the types of animals found in each.

4. General body characteristics:

External structure... What composes their outer layer?

Do they have any body appendages? If so, what are they?

Internal structure... Describe their internal body systems (ex: digestion).

5. What specialized cells or structures do they have that are unique? Name them and describe what they do.

6. How do they reproduce?

7. What adaptations help them to survive? (Defense mechanism?... Camouflage?... etc.)