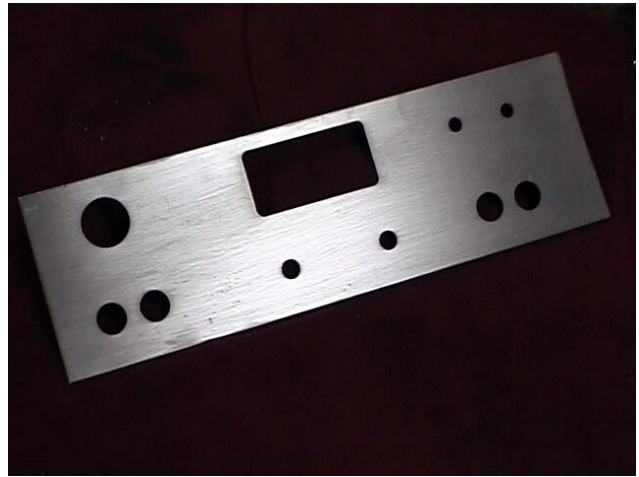


Due to the enhanced flexibility of the design and manufacturing phase of the project, students can now add a variety of customized faceplates to their projects. The integration of the various workers in the project created a real world scenario requiring accurate communication, problem solving, and the transference of technical knowledge among the students.

CAD students have increased their understanding of the manufacturing process, Machining students have enhanced their understanding and ability to interpret drawings into CNC programs, and electronic students have been exposed to both the design and manufacturing disciplines.





Outcome and Products:

This program intends for successful student participants to enhance their knowledge of peripheral curriculum areas: Electronics students learn more about Drafting and Manufacturing, Machining students learn more about Computerized Drafting and Electronics, and CAD students experience the manufacturing and electronic input on the integrated project. Peripheral outcomes will include: 1) increased ability to communicate across curriculum areas, 2) improved problem solving skills, 3) the development of a model for more sophisticated and complex interdisciplinary projects, and 4) the enhanced knowledge of all aspects of the industry by all of the students involved.

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