

## **PROTOTYPING POWERPOINT PRESENTATION**

### **BACKGROUND**

This prototyping project provides you with a set of technical drawings and point form step-by-step instructions for each of the components. This set of instructions is intended to provide you with the tools to the end user's machine shop.

Following introductory lectures, students will be required to explain their set-up and safety operation practices.

### **SCENARIO**

A client has requested the production of a new scriber hand tool that will be produced in the United States. The client has requested that you first make a small quantity of scribers for a focus group before they are put into production. As a result, they have asked you to produce a PowerPoint presentation outlining the steps required to manufacture the scriber by hand using conventional machine tools. The machine shop employees need to be able to read and understand the presentation. The presentation may also be viewed by company personnel.

### **INSTRUCTIONS**

1. Create a presentation from the provided information and instructions that will include a clear finish.
2. Your presentation should include clear photographs of the stock materials, machine set-up and transformation actions of each component while constructing the scriber.
3. Design and illustrate your presentation in a logical step-by-step order with accompanying explanatory annotations (notes) to the machine shop employees to completely understand your work method without any additional verbal input from you. Point form notations are acceptable. Your presentation must be clear and comprehensible on its own. Clear, straight forward written and visual communication integrating appropriate technical terminology where applicable, is required.

### **OUTCOMES**

1. Gauge students' understanding of the concept(s).
2. Help reinforce students' understanding and retention of materials using diagrams, video and images.
3. Students gain competence in clearly and coherently writing for an audience through the and documentation of an activity using a specific context.