

PROTOTYPING POWERPOINT PRESENTATION

BACKGROUND

This prototyping project provides you with a set of technical drawings and point form step-by-step instructions for the manufacture 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 new scribe hand tool that will be produced for the United American market. The manufacturer is first making a small quantity of scribe prototypes 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 scribe by hand using conventional machine tools. The machine shop employees need to be able to proceed on their own. The presentation may also be used by company personnel.

INSTRUCTIONS

1. Create a technical drawing of the scribe. The drawing should include all dimensions and finish requirements. The drawing should be clear and easy to understand. The drawing should be in a standard format. The drawing should be in a standard format.
2. You must include clear and concise photographs of the stock materials, machine set-up and transformation actions of each step in the construction of the scribe.
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 verbal 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.