

PROTOTYPING POWERPOINT PRESENTATION

BACKGROUND

This prototyping project provides you with a set of technical drawings and point form step-by-step prototyping notes for the scribe component. This set of prototyping notes is provided for all the students with the goal of the students' prototyping presentation.

During the introductory lectures, students are introduced to their set-up and safe operating practices.

SCENARIO

A new scribe hand tool that will be produced for the United States market. The 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.

PROJECT OBJECTIVES

1. Create a set of instructions for the scribe that will be used to make a prototype scribe by hand using conventional machine tools. The instructions should be clear and concise and include all the necessary steps and dimensions for the scribe.
2. You will need to take clear photographs of the stock materials, machine set-up and transformation actions of each step in the process of constructing the scribe.
3. Design and illustrate your presentation in a logical step-by-step order with accompanying explanatory annotations (notes) to the instructions that will allow 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 photographs and images.
3. Students gain competence in clearly and coherently writing for an audience through the presentation and documentation of an activity using a specific context.