

Student Learning Activity
for
Technology Education

A. System Title: Communications Grade Level: _____
Concept: Graphic Communications 3-A
Course Title: _____

B. Activity Title: Printing Methods (Gold Stamping)

C. Length of time to complete this activity: 2 periods.

D. Introduction

Gold stamping is a process by which foils (gold, silver, metallic, others) may be impressed on pencils, pens, paper, playing cards and a multitude of other materials. This is accomplished through heat and pressure. Leather goods and books may be printed by this method.

Thick letters mean too much time and too high temperature. Faint impression means too little time or the temperature is too low. If the impression is faint, the procedure should be repeated using a new piece of foil. It is always better to inspect the job before moving it in the type holder or moving the pencil. Be sure to check it carefully.

E. Objectives

Student will be able to compose a name and with the use of a press, transfer gold stamping material to the object being identified.

F. Procedure

In our shop we shall attempt to stamp on pencils, pens, and decal paper. A slight charge will be made for materials used.

1. Make a layout for the type to be used in this operation. Have the layout checked by the instructor before setting the type. Proof type form as usual. Make corrections.
2. Place type in special composing stick (type holder).
3. Machine should be turned to high heat. The usual heat will be 200 degrees for pencils, paper, etc. It should be about 300 degrees for pens.

4. If imprint is placed on pencils, a special holder for the pencils is used. This is used for pens also.
5. Position the type holder in the machine and fasten it securely. Place pencil holder in place and bring handle of machine down until the type almost touches the pencil. Make any slight adjustment if necessary to get the type centered and positioned properly. The handle is raised to normal position and foil is placed on the pencil and directly under the type. Lower handle and press slightly on the pencil, holding it in this position for about 5 seconds. Raise handle to normal position.
6. When finished, turn machine off, remove plug from wall, remove type holder and distribute type.

G. Reference

Graphic Arts by Carlsen, pp. 51 thru 54.

H. Evaluation Criteria

QUESTIONS: Students are to write out the answers to the following questions.

1. What is hot stamping? _____
2. How is this method different from other types of printing? _____
3. What kind of type is best for this method? _____

4. This method makes use of two conditions in the stamping press. Name them.
 - a. _____
 - b. _____