#### TECHNOLOGY EDUCATION DEPARTMENT

| Name | (800) 4000 4000 4000 4000 4000 4000 4000 | Date | Started   |
|------|--|------|-----------|
| Time | Allowed                                  | Date | Completed |

COURSE TITLE: Materials and Processes

CONTENT AREA: Manufacturing/Mass Production

ACTIVITY TITLE: Research & Development - Clear Finishes, Methods of Application

## ACTIVITY OBJECTIVES: UPON COMPLETION THE STUDENT WILL BE ABLE TO:

- 1. Know the advantages and disadvantages of various types of wood finishing materials.
- 2. Recommend a finishing material based upon the above for the manufactured product.
- 3. Know the advantages and disadvantages of the various methods of application.
- 4. Recommend a method of application based on the above for the manufacturing product.

### ACTIVITY DESCRIPTION:

Students will, in groups of 2, research various finishing products, methods of application and come up with recommendations based upon their research.

#### EVALUATION CRITERIA:

- 1. Completion within time limit.
- 2. Completion of worksheets.

### RESOURCES AND REFERENCES:

- 1. <u>Finishing Technology</u>, by George A. Soderberg Chapters 6, 10, 14, 15, 21
- 2. Product labels.
- 3. Hardware store, lumber yard, paint store.
- 4. Product pamphlets.

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| Researchers | Names: | 1. | wat sweet method to reproduce a prosession was to reproduce a trade of charge and a soft of call Call Call Call Call Call Call Call |
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# WORKSHEET FOR R & D - CLEAR FINISHES (PROJECT)

| PRODUCT NAME | ADVANTAGES  | DISADVANTAGES  |                  |
|--------------|---|--|------------------|
| Product #1   | 1   | 1.   | September 2      |
| and<br>Brand | 2.  |  | OM CONTRACTOR OF |
| brand        | 3   |  |                  |
|              | 4   |  |                  |
|              | 5   |  |                  |
|              |   |  |                  |
| Product #2   | 1   | 1  |                  |
| and          | 2   |  |                  |
| Brand        | 3   |  |                  |
|              | 4.  |  | -                |
|              | 5   |  |                  |
|              |   |  |                  |
| Product #3   | 1   | 1.   | area e           |
| and          | 2   |  |                  |
| Brand        | 3.  |  |                  |
|              | 4.  |  |                  |
|              | 5   |  |                  |
|              |   |  |                  |
| Product #4   | 1   | 1  | znoinenutwa      |
| and          | 2   |  |                  |
| Brand        | 3.  |  |                  |
|              | 4.  |  |                  |
|              | 5   |  |                  |
|              |   |  |                  |
| Product #5   | 1   | 1  |                  |
| and          | 2.  |  |                  |
| Brand        | 3.  |  |                  |
|              | 4.  |  |                  |
|              |   | 5.   |                  |
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| RECOMMENDATION |  |
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| Researchers | Names: | 1. |  |
|-------------|--------|----|--|
|             |        | 2. |  |

# WORKSHEET FOR R & D - CLEAR FINISHES (METHODS OF APPLICATION)

| APPLICATION METHOD | ADVANTAGES  | DISADVANTAGES |
|--------------------|---|---------------|
| Method #1          | 1.  | 1.            |
|                    | 2.  | 2             |
|                    | 3   | 3.            |
|                    | 4.  | 4.            |
|                    | 5   |               |
| W-41-1-42          | 1   | 1.            |
| Method #2          | 1   |               |
|                    | 2.  |               |
|                    | 3.  |               |
|                    | 4<br>5  |               |
|                    | augus columbia per en prepara de color de la color de |               |
| Method #3          | 1.  | 1.            |
|                    | 2.  | 2             |
|                    | 3.  | 3             |
|                    | 4.  | 4             |
|                    | 5   |               |
|                    |   |               |
| Method #4          | 1.  |               |
|                    | 2.  |               |
|                    | 3.  |               |
|                    | 4.  | •             |
|                    | 5.  | 5             |
|                    |   |               |

| RECOMMENDATION |  |
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