



**Unit #4 – CAM Logo Project**

**TDJ3M – Technological Design, Grade 11**

**Project Description:**

- In this project students will apply their knowledge of **Design** and **Manufacturing** to create a **6” x 6” wooden plaque** with a design of their choosing **engraved** on it
- The size of the plaque signs is predetermined, however the student does have creative control of the look and feel of the design

**Materials:**

You will have access to the following materials:

- *Adobe Illustrator CS5*
- *EdgeCAM 12*
- *AutoCAD LT 2007*
- *Internet resources*

**Specifications and requirements that must be adhered to:**

- Your sign must fit on a **6” x 6” x ¾”** piece of wood
- Marks will be awarded for level of **difficulty, uniqueness, drawing skill** and **ingenuity**
- Your design will be created using **Adobe Illustrator** (see online tutorial) or **AutoCAD**
- With **Illustrator** you can **trace** over top of an **image** downloaded from the internet
- Use only lines created with the **pen tool** or the **line tool** (no fill, 2 pt stroke)
- After you **design** has been completed your teacher will help you **program** it using **EdgeCAM**

**Project Ideas:**

- *logo design*
- *traced photo*
- *personalized sign*
- *custom design*

**STUDENT:** \_\_\_\_\_

**Deliverables, Due Dates and Marking Scheme:**

| <b>Deliverable</b>                        | <b>Description</b>   | <b>Due Date</b>        | <b>Marks</b> |
|---|--|------------------------|--------------|
| <b>Illustrator File</b><br>(Knowledge)    | <ul style="list-style-type: none"> <li>• Your Illustrator file will be marked on your knowledge of the software</li> <li>• You will also be marked on the quality of the drawn logo</li> </ul> | Friday,<br>November 26 | /20          |
| <b>The Wooden Plaque</b><br>(Application) | <ul style="list-style-type: none"> <li>• Your final plaque will be marked on how well it meets the original criteria</li> <li>• It will also be marked on its aesthetic appeal</li> </ul>      | Friday,<br>December 3  | /20          |
| <b>Total</b>                              |  |                        | <b>/40</b>   |

## CAM Logo Project

| Criteria                                 | Level 4++<br>(10/10) | Level 4+<br>(9/10) | Level 4<br>(8/10) | Level 3<br>(7/10) | Level 2<br>(6/10) | Level 1<br>(5/10) | Missing R<br>(0/10) |
|--|----------------------|--------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| <b>Illustrator File (Knowledge) /20</b>  |                      |                    |                   |                   |                   |                   |                     |
| Difficulty level of chosen logo          |                      |                    |                   |                   |                   |                   |                     |
| Accuracy of tracing                      |                      |                    |                   |                   |                   |                   |                     |
| <b>The Wooden Sign (Application) /20</b> |                      |                    |                   |                   |                   |                   |                     |
| Sanded and finished                      |                      |                    |                   |                   |                   |                   |                     |
| Completed                                |                      |                    |                   |                   |                   |                   |                     |
| <b>Subtotals</b>                         | <b>x10=</b>          | <b>x9=</b>         | <b>x8=</b>        | <b>x7=</b>        | <b>x6=</b>        | <b>x5=</b>        | <b>x0=0</b>         |
| <b>Total /40</b>                         |                      |                    |                   |                   |                   |                   |                     |

| Comments: |
|-----------|
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