**Box Project Rubric**

**Task Statement:** Students will produce a divided box from sheet metal.

T**ask Assignment:** Students work as individuals to create accurate prints with correct measurements and construct a 5” X 3” divided box out of metal.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Criteria Categories** |  |  |  |  |
| **Criteria -** | **(Novice to Exemplary)** |  |  |  |  |
| **Concepts/Skills to** | **Novice** | **Developing** | **Accomplished** | **Exemplary** | **Points** |
| **be Assessed** | **1** | **2** | **3** | **4** | **Earned** |
| **Drawing** | Attempt to make | No part of the drawing is | Drawing is within 1/8” | Drawing is exact to scale |  |
|  | drawing | more than 1/8” off | tolerance approximately | over 90% of box (1 inch |  |
|  |  |  | 70% of the time | = 1 inch) |  |
| (20 possible points) | (1-5 points) | (6-10 points) | (11-15 points) | (16-20 points) |  |
| **Measurement** | Attempt to make | Measurements are | Measurements are equal | Measurements are |  |
|  | close measurements | within 1/8” tolerance | diagonally; measurements | within 1/16” over 90% |  |
|  |  | over 80% of the time; | are within 1/8” tolerance | of box; no measurement |  |
|  |  | measurements are equal | over 90% of time; no | over 1/8” at any point |  |
|  |  | diagonally; no | measurement should |  |  |
|  |  | measurements over ¼” | exceed 3/16” tolerance |  |  |
|  |  | tolerance |  |  |  |
| (20 possible points) | (1-5 points) | (6-10 points) | (11-15 points) | (16-20 points) |  |
| **Labeling** | Labeling has many | Labeling has several | Most labeling is correct | All labeling is accurate |  |
|  | mistakes | mistakes | with minimal mistakes |  |  |
| (20 possible points) | (1-5 points) | (6-10 points) | (11-15 points) | (16-20 points) |  |
| **Box Level** | Box is not level | Box is somewhat level | Box is fairly level with little | Box sits perfectly level |  |
|  |  |  | or no rocking/wobbling | without any wobbling); |  |
|  |  |  |  | has no bead on bottom |  |
| (20 possible points) | (1-5 points) | (6-10 points) | (11-15 points) | (16-20 points) |  |
| **Overall appearance** | Has many problems | Has grinding marks; a few | Very clean with minimal | All metal looks like one |  |
| **of box** | with overall work | problem welds; some | digs or inclusions | piece; very clean; no |  |
|  | and/or appearance | issues with work and/or |  | welds showing |  |
|  |  | appearance |  |  |  |
| (20 possible points) | (1-5 points) | (6-10 points) | (11-15 points) | (16-20 points) |  |
| **A** = 64-100 points; **B** = 44-60 points; **C** = 24-40 points; **D** = 0-20 points | | |  | **Total Points: \_\_\_\_\_\_\_\_\_\_\_\_** | |