Unit: Wooden Box

Learning Goals:

In this unit:

1. ***Students will use basic joinery techniques to create a wooden box with a sliding lid.***
2. ***Students will use different finishing techniques to complete boxes.***

**Rigorous Learning Goal/Scale 1**

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| **Course:** | **Woodworking 1 – Wooden Box Unit** |
| **Score 4**  Additional Success with the complex content and concepts—inferences, novel applications | **In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**   * ***Students will be able to utilize proper joinery, accurate gluing methods, and correct sanding procedures to improve the quality of completed projects.***   **Student makes no major errors or omissions regarding the score 4 content** |
| **Score 3**  Mastery of complex content and concepts of learning goal | **TARGET LEARNING GOAL: The student will**   * ***be able to follow a set of engineering drawings to aid in cutting rabbet joints and grooves/dado’s.***   **Student makes no major errors or omissions regarding the score 3 content** |
| **Score 2**  Success with simpler content—vocabulary, foundational skills | **The student will recognize or recall specific vocabulary or basic content, such as:**   * ***Rabbet joint, groove, dado, plywood, sanding.***   **The student will perform basic skills or process, such as:**   * ***Transfer measurements from an engineering drawing to lumber.*** * ***Layout joinery*** * ***Sanding*** * ***Gluing***   **Student makes no major errors or omissions regarding the score 2 content** |
| **Score 1**  Partial success with help | **With help, student achieves partial success at score 2 content and/or score 3 content** |
| **Score 0**  No success even with help | **Even with help, no success** |

**Rigorous Learning Goal/Scale 2**

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| **Course:** | **Woodworking 1 – Wooden Box Unit** |
| **Score 4**  Additional Success with the complex content and concepts—inferences, novel applications | **In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**   * ***Student will apply a stain, and then several coats of an oil or polyurethane to add protection. The topcoat will be sanded in between each coat to improve finish quality.***   **Student makes no major errors or omissions regarding the score 4 content** |
| **Score 3**  Mastery of complex content and concepts of learning goal | **TARGET LEARNING GOAL: The student will**   * ***Use several coats of a protective finish to complete boxes.***   **Student makes no major errors or omissions regarding the score 3 content** |
| **Score 2**  Success with simpler content—vocabulary, foundational skills | **The student will recognize or recall specific vocabulary or basic content, such as:**   * ***Stain, Tung oil, polycrylic, steel wool, foam brush, bristle brush***   **The student will perform basic skills or process, such as:**   * ***Use a rag or brush to apply a coat of finish*** * ***Safely dispose of oily rags and brushes to prevent spontaneous combustion.***   **Student makes no major errors or omissions regarding the score 2 content** |
| **Score 1**  Partial success with help | **With help, student achieves partial success at score 2 content and/or score 3 content** |
| **Score 0**  No success even with help | **Even with help, no success** |