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** |