|  |  |  |
| --- | --- | --- |
| **Hand Drawing** | **1**  Many required drawings are missing | **3**  All required drawings are included. |
| **1**  Most dimensions are missing | **3**  Most dimensions are included, and there are few variations from the measured birdhouses. | **5**  All dimensions of all pieces are included in drawings and are correct (within ⅛”) relative to the measured birdhouse. |
| **Birdhouse Wood** | **1**  Many errors in dimensions of cutting and drilling, large splits, many edges not sanded. | **3**  Some errors in the dimensions of cutting and drilling, slight splitting, most edges sanded. | **5**  All wood pieces are cut and drilled within ⅛” of the correct dimensions, per the drawings, and sanded properly. Wood isn’t split. |
| **Construction** | **1**  Large gaps\* in wood, many edges don’t line up properly, birdhouse rendered unusable. | **3**  Small gaps\* present in few places, some edges don’t quite line up, birdhouse is still usable. | **5**  No gaps\* bigger than ⅛” present in corners, edges line up, birdhouse is usable. |
| **Holes and Fasteners** | **1**  Many components are not fastened properly, 3 or less screws are flush, more than 4 unused holes. | **3**  Most components are fastened properly, at least 5 screws are flush, and there are at most 3 unused holes. | **5**  Screws are flush, all pieces fastened properly, no unused holes. |
| **Self-Assessment** | **1**  Self-assessment is submitted but is not thoughtful or reflective. | **2**  Thoughtful and comprehensive self-assessment is submitted. | Most is ≥ ½ of possible amount  Some is ≤ ⅓ of possible amount  Many is ≥ ⅔ of possible amount  \*excluding intentional ventilation gaps |

\* No points will be awarded for components that are not submitted.

\* Late projects will automatically lose 3 points.

**Self-Assessment Questions:**

What went well in this tools mastery project? What aspects of the project were interesting or fun?

What could you improve on if you went through this project again?