

Treasure Box Rubric

Construct an aesthetically pleasing treasure box that demonstrates good design skills, effective joinery techniques and finishing skills and that fulfills a useful function. Treasure box must be built out of 1" x 4" pine stock.

| Criteria | Level 4 (80% - 100%) | Level 3 (70% - 79%) | Level 2 (60% - 69%) | Level 1 (50% - 59%) |
|---|--|---|---|--|
| Application | | | | |
| correctly measure, cut, lay out, and assemble structural components and systems | demonstrates excellent ability to correctly measure, cut, layout, and assemble structural components and systems | demonstrates good ability to correctly measure, cut, layout, and assemble structural components and systems | demonstrates some ability to correctly measure, cut, layout, and assemble structural components and systems | demonstrates limited ability to correctly measure, cut, layout, and assemble structural components and systems |
| create a materials list for project | creates a materials list for building projects that has no or almost no missing items | creates a materials list for building projects that has many few items | creates a materials list for building projects that has many some items | creates a materials list for building projects that has many missing items |
| demonstrate safe and efficient work habits | promotes and demonstrates safe and efficient work habits | is able to demonstrate considerable safe and efficient work habits | is able to demonstrate adequate safe and efficient work habits | is able to demonstrate some safe and efficient work habits |
| demonstrate skills in documenting and communicating work | demonstrates exemplary skills in documenting and communicating work | demonstrates substantial skills in documenting and communicating work | demonstrates some skills in documenting and communicating work | demonstrates limited skills in documenting and communicating work |
| demonstrate skills using hand tools | demonstrates exemplary skill in using hand tool | demonstrates considerable skill in using hand tool | demonstrates some skill in using hand tool | demonstrates limited skill in using hand tools |
| demonstrate skills using machine tools | demonstrates excellent skill in using machine tools | demonstrates considerable skill in using machine tools | demonstrates some skill in using machine tools | demonstrates limited skill in using machine tools |
| demonstrate use of the design process when constructing models or mock-ups | applies all or almost all of the skills involved in the design process when constructing models or mock-ups | applies most of the skills involved in the design process when constructing models or mock-ups | applies some of the skills involved in the design process when constructing models or mock-ups | applies few of the skills involved in the design process when constructing models or mock-ups |
| lists all materials required for a specific project | student is able to list all or almost all materials required for a specific project | student is able to list most materials required for a specific project | student is able to list some materials required for a specific project | student is able to list few materials required for a specific project |
| Tools and Equipment | demonstrates exemplary safe use of tools and equipment used to produce technical drawings | demonstrates considerable safe use of tools and equipment used to produce technical drawings | demonstrates adequate safe use of tools and equipment used to produce technical drawings | demonstrates limited safe use of tools and equipment used to produce technical drawings |