



STANWOOD HIGH SCHOOL

Engineering Design 1

PROJECT NAME: Tube Box

Student Learning Target:

I will be able to demonstrate and apply the design process.

I will be able to use dimensions on engineering drawings to define and object.

I will be able to build models that illustrate design solutions.

Design Statement/ Parameters:

A chocolate company has asked you to design a box to deliver chocolates in. The box will be made out of a piece of 2" diameter pipe that is 3" in length. You must design a decorative base and lid for the box. The lid must be removable.

Your parts may be made out of 1/8" Baltic Birch Plywood from the laser cutter or produced on the 3D printer using plastic.

Finished Product: The following items must be turned in to earn credit

Fully Rendered Rhino Model

Dimensioned Drawing

Complete Physical Model

Portfolio Entry

Connections:

Math:

Art:

