



STANWOOD HIGH SCHOOL

CAD/CAM

PROJECT NAME: Clock

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.

I will be able to create, visualize, and analyze an object using SolidWorks

Design Statement/ Parameters:

Design a clock that utilizes a standard motor measuring: 3'x3"x5/8" with a 3/8" diameter Shaft for the hands.

You have 2 options:

1. A basic wall clock that is made out of a piece of wood from the available box. --- The Max Possible Score is a 3 out of 4.
2. Free Standing clock that will fit in a 10" X 13" X 6" box and can be made using the equipment in our lab. -The Max Possible Score is a 4 out of 4

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

Fully Rendered SolidWorks Assembly

Dimensioned Drawing

Complete Physical Model

Portfolio Entry



Free Standing Clock Example



Wall Clock Example

