Southeast High School Lesson Plan

Name: Richard Platt - Week 14

Class: Applied Engineering 1- 8401110

CLEAR

Character Trait: Encompass

Activity: Peace Sign Project

Standards: 01.0 -22.0 - All standards are taught per Florida Department of Education Student Performance Standards for 8401110

Students Will Know

how to document their work in their Engineering Portfolio Binders.

Students Will Be Able To

Use their cell phone to scan their hand sketches into SolidWorks. In SolidWorks, they will be able to model their parts and create drawings to laser out their Halloween Fridge magnet products.

Lesson Essential Question: Will we be paid by what we can do and prove? If so how important is your EPB to you?

Activating Strategy

Students put book bags in parking lot. Student to get the Foundations of Engineering & Technology Textbook and read the chapter and answer questions in the workbook question in you spiral ring notebook for Chapter 3.

Key vocabulary to preview and vocabulary strategy: Encompass

Learning Activity 1

Peace Sign Project following Arianna Coons tutorial.

Assessment Prompt for LA 1

Designed correctly in sheet protector in Engineering Portfolio binder & scanned and submitted in schoology.

Learning Activity 2

Put your SolidWorks Drawings:
1) Laser out CS4 drawing
2) SolidWorks Ortho/ISO Drawings:
   a) Extruded Sketch Model drawing
   b) Magnet Drawing
   c) Assembly of Fridge Magnet drawinig

This is just like the simple SolidWorks Parts.

Assessment Prompt for LA 2

Printed & put in sheet protector in Engineering Portfolio binder & scanned and submitted in schoology.

Learning Activity 3

Worksheet #9

Finish all worksheets and have in binder.

Assessment Prompt for LA 3

Scanned from & submitted in schoology

Graphic Organizer

Assignment

Next Week Peace Sign Project

1)Peace Sign Project following Arianna Coons tutorial.

2) Put your SolidWorks Drawings:
1) Laser out CS4 drawing
2) SolidWorks Ortho/ISO Drawings:
   a) Extruded Sketch Model drawing
   b) Magnet Drawing
   c) Assembly of Fridge Magnet drawinig

This is just like the simple SolidWorks Parts.

3) Worksheet #9

If you finish all the above you can start on the Peace Sign Project.

Summarizing Strategy Students are to learn about engineering and technology from the textbook and worksheets. They are learn how to manual draft part drawings for their engineering portfolio and they are to learn how to use the 3D CAD software SolidWorks, producing drawings for their portfolio.

ESE/ESOL Accommodations Preferred seating closer to my desk/cube for my observation. Also, I have on my YouTube channel over 600 instructional video for students to follow along for better understanding.