Southeast High School Lesson Plan

Name: Richard Platt - Week 15

Class: Applied Engineering 3 - 8401120

CLEAR

Character Trait: churlish

Activity: Tea Lantern Project

Standards: 01.0 -22.0 - All standards are taught per Florida Department of Education Student Performance Standards for 8401130

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 Tea Lantern Project.

Lesson Essential Question: After the HFM project, are you ready for a more challenging multiple part assembly project, the Tea Lantern?

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: Churlish, Digitize

Learning Activity 1

Complete the Peace Sign Project following Arianna Coons tutorial. Laser your peace sign drawing twice. One for your Portfolio Binder and one for the class competition. Print ortho isometric Peace drawing and put into your HFM project section of your Engineering Binder.

Assessment Prompt for LA 1

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

Learning Activity 2

Start your Holiday Lantern Project. You will go head and use Mr.Platt's Adobe Illustrator template to draw or digitize your Holiday Designs onto the panels. To prepare all your panel to laser Engrave. Supplies will cost $3 per lantern you design.

Assessment Prompt for LA 2

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

Learning Activity 3

Worksheet #10

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) Complete Peace Sign Project drawings and HFM Project Engineering Portfolio Binder Section

2) Start Holiday Lantern Project from Mr. Platt's Adobe Illustrator Template

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.