Southeast High School Lesson Plan

Name: Richard Platt - Week 10

Class: Applied Engineering 1- 8401110

CLEAR

Character Trait: Depict

Activity: Sketchy Cornell Notes

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

Students Will Know

How to use Sketchy Cornell Notes

Students Will Be Able To

Use ruler, 30-60-90 triangle, CAD software, 3D printers, Laser Engravers and CNC Router. Student are learning how to design manual drafted parts in SolidWorks.

Lesson Essential Question: Do you have your EPB & Spiral Ring Notebook?

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: chastise, respect

Learning Activity 1

Using a 30-60-90 triangle, ruler, copy paper, technical pencil, following my tutorials on YouTube Channel, Richard Platt Training - manual drafting part 5.

Parts found on http://www.richardplatt.net/draftng-matrix.html & how to videos

https://www.youtube.com/watch?v=kqbkrXFGtpw&list=PLgyBeojUgBI2u2Zbx0mr9WozUitRg_jqn

Assessment Prompt for LA 1

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

Learning Activity 2

CAD Model Part #4 using SolidWorks. Create model and then create drawing.

Assessment Prompt for LA 2

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

Learning Activity 3

Worksheet #8

Binder check. Tabs, drawings in sheet protector, spine & front cover, work sheets.

Assessment Prompt for LA 3

Scanned from & submitted in schoology

Graphic Organizer

Assignment

Next Week Peace Sign Project

1) Manual Draft Part #5

2) SolidWorks Part #4

3) Work Sheet #8

4) Engineering Binder Check - Dividers, Tabs, Sheet Protectors - Monday 10/18 - grade

** Proof of safety glasses.

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.