Southeast High School Lesson Plan

Name: Richard Platt - Week 9

Class: Applied Engineering 3 - 8401130

CLEAR

Character Trait: Respect

Activity: QA: Have all work in your binder for quarter grade

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

Students Will Know

How to organize their Engineering Portfolio Binder.

Students Will Be Able To

SolidWorks CAD software, 3D printers, Laser Engravers and CNC Router. In the future welding from parts cut on CNC Plasma cutter.

Lesson Essential Question: Is your binder ready for review? It will be a test grade!!

Activating Strategy

Students put book bags in parking lot. Student to get the Foundations of Engineering & Technology Textbook and read the assigned chapter below and answer questions in the workbook questions.

Key vocabulary to preview and vocabulary strategy: chastise, respect

Learning Activity 1

Creatively put your & Period on Binder Cover and spine in the clear cover.

Assessment Prompt for LA 1

Show Platt for immediate grade in focus.

Learning Activity 2

CO2 Dragster Project complete all individual part(s) - PRINT - drawings (see CO2 dragster tutorials):
1) Axles 2) washers
3) axle clips 4) bushings
3) co2 Cartridge 5) eye screws
6) Dragster Body 7) Assembly Drawings

If assigned a special project, Photo 3D model and submit for this assignment. Your progress is very important. If progress must be made or will reassign back to CO2 Dragster

Assessment Prompt for LA 2

Show Platt for immediate grade in focus.

Learning Activity 3

Read textbook and complete chapter 7 worksheets Engineering Portfolio.

Answer Key Vocabulary on copy paper attached to Worksheet #7:
See above for Key vocabulary to preview and vocabulary strategy

Assessment Prompt for LA 3

Scanned from & submitted in schoology & in binder

Graphic Organizer

Assignment

HAVE COMPLETED ALL ASSIGNMENTS FOR END OF QUARTER GRADE.

1) Complete all remaining work and have in your binder for final quarterly grade.

2) Binder check for test grade.

3) 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.