Southeast High School Lesson Plan

Name: Richard Platt - Week 4

Class: Applied Engineering 2 - 8401130

CLEAR

Character Trait: Cooperation

Activity: QA: Worksheets...team effort

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

Students Will Know

Students verify their Engineering Portfolio binder is as good as Mr. Platt's Engineering Portfolio binder. They will revise binder from last year to meet Mr. Platt's expected quality of work for becoming work ready and college ready for their 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: Mr. Platt's NASA..CAD cooperation experience..How about you with classmates?

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 spiral ring notebook for Chapter 2.

Key vocabulary to preview and vocabulary strategy: Finish the ones previously assigned for upcoming test.

Learning Activity 1

Complete all parts simple orthographic and isometric parts for engineering portfolio up to Part #25 as assigned from Mr. Platt's website: http://www.richardplatt.net/draftng-matrix.html

https://www.youtube.com/playlist?list=PLgyBeojUgBI2xGp06YMecdMOFcNbDlLNW

Assessment Prompt for LA 1

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

Learning Activity 2

CO2 Dragster Project. eye hook, co2 cartridge, axle clip. Create models and individual drawings for each part (4 drawings)

Assessment Prompt for LA 2

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

Learning Activity 3

Student to get the Foundations of Engineering & Technology Textbook and read the chapter and answer question the workbook question in spiral ring notebook for Chapter 2.

Follow this playlist: https://www.youtube.com/playlist?list=PLgyBeojUgBI3YGRT8zLS96Y1LvDmbuN-B

Assessment Prompt for LA 3

Scanned from & submitted in schoology

Graphic Organizer

Assignment

ALL ASSIGNMENTS EXTENDED:
TEST COMING...MUST HAVE WORKSHEET IN BINDER FOR TEST

1) Read textbook and complete chapter worksheets in engineering spiral ring notebook in Engineering Portfolio.

2) CO2 Dragster Parts (eye hook, co2 cartridge, axle clip) and drawings.

3) Signed Syllabus & Class Rules

4) Buy from Engineering Program - Safety Glasses & Sharpie your name on the side of the glasses. Order goes out this week.

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.