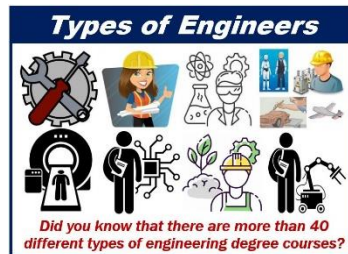


Jrac Science

Weekly Plans for

Wednesday, August 21, 2024 – Friday, August 30, 2024



Wednesday: 8/21/24

Plan to: Welcome/Introduction to class. Assign Seats. Ice Breaker. Discuss 1st Assignment, and talk about the Future (2029 and beyond). What is Science and why do we need to learn it? Do you know how to think outside the Box?

Target: Students will learn about science Classroom procedures and expectations.

Due today: Nothing

Assignments: Complete and submit ALL parts of the “First Science Assignment” – STARTING WITH CLASS OVERVIEW.

(Found on my website (Class Overview): <https://www.jracscience.com/>

and Sign-up for the **BAND APP** (and join '24- '25 JRac's Science Class) [ALL Due Wed. 8/28/24]

Thursday: 8/22/24

Plan to: Learning to work as a TEAM / Team building & Problem Solving

Target: Students will better understand what “science” is and how Problem Solving and Critical Thinking play a very important role in science.

Due today: Nothing

Assignments: Continue to work on the completion of your 1st Assignment (See WEDNESDAY 8/28/24)

Friday: 8/23/24

Plan to: Mini LAB: M&M lab and then lab assessment

Target: Students will demonstrate prior knowledge of experimental terms and design.

Due today: Nothing

Assignments: Continue to work on the completion of your 1st Assignment (See WEDNESDAY 8/28/24) AND FINISH the Mini Lab: M&M lab questions/report

Monday: 8/26/24

Plan to: Begin Engineering discussion with **DAY ONE: Pre-Lab & Problem:** “Bridge Building: Can you carry the 7 Bridges Load”

Target: Students will Learn about and begin to use the Engineering Design Process along with their Critical Thinking Skills to Work with a group to complete a task.

Due today: Mini Lab: M&M lab questions/report AND Day One questions and tasks by the end of the period.

Assignments: Finish DAY ONE of the activity “Bridge Building: Can you carry the 7 Bridges Load” if not complete Continue to work on the completion of your 1st Assignment (See WEDNESDAY 8/28/24)

Tuesday: 8/27/24

Plan to: **DAY TWO: Research & Development:** “Bridge Building: Can you carry the 7 Bridges Load”

Target: Students will use the information from Day One and then work as a group to research the problem and development possible solutions.

Due today: Day Two questions and tasks by the end of the period.

Assignments: Finish DAY TWO of the activity “Bridge Building: Can you carry the 7 Bridges Load” if not complete FINISH your 1st Assignment (See WEDNESDAY 8/28/24)

Wednesday: 8/28/24

Plan to: **DAY THREE: Modeling -** “Bridge Building: Can you carry the 7 Bridges Load”

Target: Students will use the information from Day TWO to work as a group to construct a model for their engineering designs

Due today: “First Science Assignment” – (1) Student Reviewed Class Overview (2) Student Submitted the Student Information Form (3) Student Earned an 80% or better on the Overview QUIZ (4) Student has signed up, joined BAND and sent Mr. Racchini a message, (5) Student has Signed and Returned the Eligibility Contract (6) Student has logged into Schoology and followed the directions posted in day 1 [Today's Daily Plans: 8/21 - READ THIS FIRST], (7) Student has gathered AND BROUGHT TO CLASS all needed materials [bring binder, pencil, calculator] (8) PARENT has reviewed class overview and submitted Parent Acknowledgement form, (9) Parent has verified information in PowerSchool (10) Parent has signed the student's Eligibility Contract.)

and Day Two questions and tasks at the start of the period

Assignments: Finish DAY THREE tasks of the activity “Bridge Building: Can you carry the 7 Bridges Load” if not complete

Thursday: 8/29/24

Plan to: **DAY FOUR: BUILD** day for activity “Bridge Building: Can you carry the 7 Bridges Load”

Target: Students will use the information from Day TWO to work as a group to construct a model for their engineering designs

Due today: Day Three questions and tasks at the start of the period

Assignments: Attach Pictures to your lab packet.

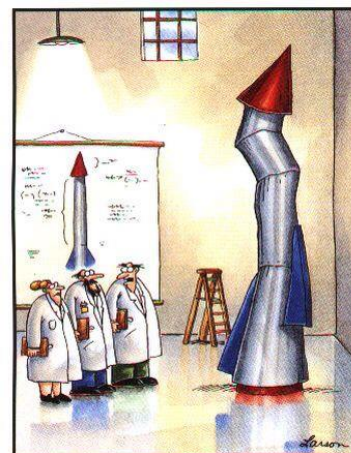
Friday: 8/30/24

Plan to: **DAY FIVE: TEST, EVALUATE, REFLECTION** day for “Bridge Building: Can you carry the 7 Bridges Load”

Target: Students will use the information from Day THREE to test their model, evaluate how well it solved the problem, and then Reflect on ways to improve it.

Due today: Day Four questions and tasks at the start of the period

Assignments: Complete the lab: “Bridge Building: Can you carry the 7 Bridges Load” and READ Chapter 1-1 (Pages 6-13)



“It's time we face reality, my friends. ... We're not exactly rocket scientists.”