



Jrac Science

Weekly Plans for
Monday, September 4, 2023 – Friday, September 22, 2023



Monday: 9/4/23 – LABOR DAY – No School

Tuesday: 9/5/23

Plan to: Begin New Unit: The Nature of Science with classroom discussion/Notes on “What is Science?”

Target: Students will start to gain a better understanding of Physical Science

Due today: Completed activity Sheet: “Bridge Building: Can you hold the 7 Bridges Load?”

Assignments: Review/ Finish notes from today (Notes can be found on my website – You will need the passcode to view)

Wednesday: 9/6/23

Plan to: Discuss Experiment Terms, and How to design a VALID Experiment.

Target: Students will start to gain a better understanding of the process and steps necessary to conduct a valid experiment.

Due today: Nothing

Assignments: Review/ Finish notes from today (Notes can be found on my website – You will need the passcode to view)

Thursday: 9/7/23

Plan to: Work to first identify parts of an experiment, then design valid experiments for a given problem.

Target: Students will use their knowledge to evaluate an experiment to determine if it was a valid experiment

Due today: Nothing

Assignments: Finish Wks: “Valid Experimental Designs”

Friday: 9/8/23

Plan to: Review homework, then more Experimental Design with the Mythbusters

Target: Students will use their knowledge to evaluate an experiment to determine if it was a valid experiment

Due today: Wks; Valid Experimental Designs”

Assignments: Finish Wks: “Designing Experiments with the Mythbusters” and begin working on **UNIT: The Nature of Science Study guide** (Answer key are posted for you to check answers)

Monday: 9/11/23

Plan to: Review homework, then take **Experimental Terms Formative Assessment**. Finally, begin DAY ONE of a 3 day Lab: “Experimental Design: You spin me right round, baby right round!”

Target: Students will demonstrate their knowledge of the Experimental terms on a formative assessment.

Due today: Wks: “Designing Experiments with the Mythbusters”

Assignments: Begin to think about any material you might need for your experiment and start to gather it.

Tuesday: 9/12/23

Plan to: Continue Lab: “Experimental Design: You spin me right round, baby right round!” – (Day 2 = select hypothesis, write procedure, and setup your data table).

Target: Students will use their knowledge to design an experiment that is a valid experiment

Due today: Nothing

Assignments: prepare to collect data tomorrow.

Wednesday: 9/13/23

Plan to: Continue Lab: “Experimental Design: You spin me right round, baby Right round” (Day 3 = ONLY Data collection and reflection day)

Target: Students will use their knowledge to design an experiment that is a valid experiment

Due today: All Data must be collected by the end of this period.

Assignments: Student should Finish Lab by **INDIVIDUALLY completing their C.E.R**

Thursday: 9/14/23 – Flight 93 Memorial Field Trip

- Due today: Completed Lab: “Experimental Design: You spin me right round, baby Right round” – **MUST BE TURNED IN DURING HOMEROOM!!!**



Friday: 9/15/23 TEST

Plan to: Take the Unit Test: Nature of Science

Target: Students will demonstrate their knowledge of Experimental Design, the SI System of measurement, and graphing on the summative assessment.

- Due today: Nothing
- Assignments: Read Chapter 1-2: Standards of Measurement (pages 14 – 20)

Monday: 9/18/23

Plan to: BEGIN our NEW unit on the SI System of Measurement with Notes: Intro to the SI system

Target: Students will start to gain a better understanding of measuring length and converting within the SI System

- Due today: Nothing (But make sure you have read the pages assigned)
- Assignments: Watch the assigned Videos (Check Schoology)

Tuesday: 9/19/23

Plan to: Begin Notes: Understanding Measuring in the SI system

Target: Students will start to gain a better understanding of measuring length and converting within the SI System

- Due today: Nothing (But make sure you have read the pages assigned)
- Assignments: Watch the assigned Videos (Check Schoology)

Wednesday: 9/20/23

Plan to: Finish Notes on SI measuring to the *precision* of the measuring instrument and how to easily convert within metric units.

Target: Students will start to gain a better understanding of measuring length and converting within the SI System

- Due today: Nothing
- Assignments: Wks: “Learning to read the Meter stick”

Thursday: 9/21/23

Plan to: Review Homework and then work on measuring length with Lab “Measuring the Room”

Target: Students will continue to gain a better understanding of measuring length

- Due today: Wks: “Learning to read the Meter stick”
- Assignments: Complete Lab “Measuring the Room” (Conversions)

Friday: 9/22/23

Plan to: Understanding how to Convert between the SI and the Standard system (Factor Labeling/ Dimensional Analysis)

Target: Students will start to gain a better understanding of factor labeling and develop the skills needed to convert units

- Due today: Lab “Measuring the Room”
- Assignments: Watch the assigned Videos (Check Schoology) and Practice problem.

