



# Jrac Science

Weekly Plans for  
Monday, September 23, 2024 – Friday, October 11, 2024



## Monday: 9/23/24 – Short Classes (Adjusted Schedule because of Assembly)

Plan to: Review Lab: Measuring the Room, Then discuss how to measure with other SI Tools (Graduated Cylinders)

Target: Students will start to gain a better understanding of measuring Volume

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

## Tuesday: 9/24/24

Plan to: Learn how to Convert between the SI and the American Standard system (Factor Labeling Method)

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

- Due today: Nothing
- Assignments: Watch the assigned Videos (Check Schoology) and Attempt the Dimensional Analysis Practice Problems

## Wednesday: 9/25/24

Plan to: Review homework and Practice “level 1” conversions: Work on wks: “Factor Labeling changes everything”

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

- Due today: Attempted Dimensional Analysis Practice Conversion Problems
- Assignments: Complete Wks: “Factor Labeling changes everything”

## Thursday: 9/26/24

Plan to: Review homework (level 1) and then learn “level 2” Conversions

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

- Due today: Wks: “Factor Labeling changes everything.”
- Assignments: Complete Wks: “It’s Time to Convert”

## Friday: 9/27/24

Plan to: Review homework and more practice measuring and converting.

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

- Due today: Wks: “It’s Time to Convert.”
- Assignments: Complete Wks: “Extra Practice: I don’t want to change the world. I don’t want the world to change me.”

## Monday: 9/30/24 – QUIZ

Plan to: Take the SI measurement and Conversion Assessment Quiz, Then review Homework.

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

- Due today: Wks: “Extra Practice: I don’t want to change the world. I don’t want the world to change me.”
- Assignments: None

## Tuesday: 10/1/24 – SCHOOL PICTURE DAY

Plan to: Review measuring with other SI Tools, then Practice with assignment

Target: Students will start to gain a better understanding of measuring Volume

- Due today: Nothing
- Assignments: Complete Wks: “Nothing Measures up to Pittsburgh’s First: Volume1”

## Wednesday: 10/2/24 – Flight 93 Field Trip – Day 1 (Science periods 1,2, & 3 on Trip)

### Plans for Science Periods 4 & 5

Plan to: Science News Break (SNB): Read about and reflect on current science in the latest SCIENCE WORLD magazine

Target: Students will explore some current science that is happening by reading articles and answering questions from a science news website.

- Due today: Wks: “Nothing Measures up to Pittsburgh’s First: Volume1”
- Assignments: Read all required articles (list can be found in Schoology) and finish SNB reflection paper. (DUE = 2:58pm 10/7/24)

## Thursday: 10/3/24– Flight 93 Field Trip – Day 2 (Science periods 4 & 5 on Trip )

### Plans for Science Periods 1,2, & 3

- Plan to: Science News Break (SNB): **Read about and reflect on current science in the latest SCIENCE WORLD magazine)**
- Target: Students will explore some current science that is happening by reading articles and answering questions from a science news website.
- Due today: Wks: “Nothing Measures up to Pittsburgh’s First: Volume1”
- Assignments: Read all required articles (list can be found in Schoology) and finish SNB reflection paper. (DUE = 2:58pm 10/7/24)

## Friday: 10/4/24

- Plan to: Introduce Motion unit: Class discussion on Speed, Velocity, Acceleration, and Momentum
- Target: Students will gain a better understanding of the forces of the universe by participating in a discussion while taking notes.
- Due today: Nothing
- Assignments: Watch Helpful Videos #1, #2, and #3 on the Motion Unit page of my website and complete Wks: Displacement

## Monday: 10/7/24

- Plan to: Review Homework then Finish discussion on - Speed, Velocity, Acceleration, and Momentum
- Target: Students will gain a better understanding of the forces of the universe by participating in a discussion while taking notes.
- Due today: Did you watch the videos? (Due – Tuesday 10/8/24)
- Assignments: Watch Helpful Videos #4, #5, and #6 (#7 is more advanced so it is optional) on the Motion Unit page of my website

## Tuesday: 10/8/24

- Plan to: Review Homework then Read Chapter 2 - Motion, Velocity, Acceleration, and Momentum and (Pages 44-60) and complete the Chapter 2: Motion worksheet
- Target: Students will gain a better understanding of the forces of the universe by participating in a discussion while taking notes.
- Due today: Wks: Displacement
- Assignments: Finish wks: “Chapter 2: Motion”

## Wednesday: 10/9/24

- Plan to: Review Homework then work on practice problems.
- Target: Students will gain a better understanding of the forces of the universe by participating in a discussion while taking notes.
- Due today: wks: “Chapter 2: Motion”
- Assignments: Complete wks: “Extra Practice: Displacement, Speed, Velocity, Acceleration, & Momentum”

## Thursday: 10/10/24 - Quiz

- Plan to: Review commonly asked questions about the Homework, then take the Motion Quiz
- Target: Students will start to gain a better understanding of factor labeling and develop the skills needed to convert units
- Due today: wks: “Extra Practice: Displacement, Speed, Velocity, Acceleration, & Momentum”
- Assignments: **Watch the Pre-Lab Video** that will be posted on BAND for tomorrow’s lab (NEW Lab Groups)

## Friday: 10/11/24

- Plan to: Lab: “Calculating Velocity”
- Target: Students will use their knowledge of the velocity to conduct an investigation.
- Due today: Nothing
- Assignments: Finish Lab sheet: “Calculating Velocity” and watch the Pre-lab video on BAND for Monday.



End of the 1<sup>st</sup> Nine weeks is quickly approaching  
(Wednesday, October 23, 2024)

