



Jrac Science

Weekly Plans for

Tuesday, December 3, 2024 – Friday, January 3, 2025



Tuesday: 12/3/24

Plan to: Review homework and then start today's assignment

Target: Students will apply their knowledge and understanding of Work and Energy to answer some scenario questions.

Due today: wks: 4:1,2,&3 - Work, Machines and Describing Energy

Assignments: Complete wks: "Working Man" Begin working on the Study Guide and preparing for the upcoming test.

Wednesday: 12/4/24

Plan to: LAB: Roll with it baby – Day 1 **EXPLORE & RESEARCH & DESIGN**

Target: Students will use their knowledge of the work and energy to conduct an investigation.

Due today: wks: "Working Man!"

Assignments: Review missed questions, and watch all videos assigned from day 1 & be prepared for tomorrow

Thursday: 12/5/24 – ((2 hr Delay – come in and START WORKING!!))

Plan to: LAB: Roll with it baby – Day 2 **BUILD & RUN & DATA COLLECTION**

Target: Students will use their knowledge of the work and energy to conduct an investigation.

Due today: Nothing

Assignments: Finish Lab work for Day 2: Roll with it baby AND start working on Day 3 calculations.

Friday: 12/6/24

Plan to: LAB: Roll with it baby – Day 3 **QUESTIONS AND ANALYSIS** Then Review for the test

Target: Students will use their knowledge of the work and energy to conduct an investigation.

Due today: Lab: Roll with it baby by the end of the period.

Assignments: Study and prepare for the test.

Monday: 12/9/24 – TEST: Work & Energy

Plan to: Take the Test: Work & Energy

Target: Students demonstration their knowledge and understanding of concept of Work & Energy

Due today: Nothing

Assignments: BEGIN Simple Machine Notes by watching the video notes on my website as you complete the note taking guide.

Tuesday: 12/10/24

Plan to: Finish Notes and then work on assignment

Target: Students will apply their new knowledge of forces, work, and simple machines

Due today: Nothing

Assignments: Complete Wks: "These Calculations are so SIMPLE!"

Wednesday: 12/11/24 – Science Olympiad – Rustin Tournament Day 1

Plan to: Review Wks: "These Calculations are so SIMPLE!" – Explain Rube Goldberg, and if time allows, start Group Lab: Simple Stations"

Target: Students will apply their new knowledge of forces, work, and simple machines

Due today: Wks: "These Calculations are so SIMPLE!"

Assignments: None.

Thursday: 12/12/24 – Science Olympiad – Rustin Tournament Day 2

Plan to: Complete Group Lab: “Simple Stations” – Day 2

Target: Students will apply their new knowledge of forces, work, and simple machines

- Due today: Nothing
- Assignments: Gather materials for your Rube Goldberg.

Friday: 12/13/24 – Science Olympiad – Rustin Tournament Day 3

Plan to: Complete Group Lab: “Simple Stations” – Day 3 and discuss Rube Goldberg Project.

Target: Students will apply their new knowledge of forces, work, and simple machines

- Due today: Nothing
- Assignments: Finish Lab: “Simple Stations” and Gather materials for your Rube Goldberg.

Monday: 12/16/24

Plan to: Attempt the T. O. T. B. Bonus: X-mas Tree light up [+12]

Target: Students will work on their problem solving / Critical Thinking skills while playing this Holiday themed online puzzle game.

- Due Today: Lab: “Simple Stations”
- Assignments: None (However, students can continue to work on the bonus over this week, but they must follow the directions provided exactly and submit their paper no later than this Friday 9th period in order to receive any bonus)

Tuesday: 12/17/24 – 8th grade Rube Goldberg - Day 1

Plan to: Rube Goldberg work day #1

Target: Students will use their understanding of the forces and simple machines while collaborating with others to design and build a Rube Goldberg device.

- Due Today: Doc. #1a: “Plans and Blue prints”, & Doc. #1b: “Reflections – DAY 1” – **Due @ End of Day**
- Assignments: Finish day one docs and think about how to improve or modify your device.

Wednesday: 12/18/24 – 8th grade Rube Goldberg - Day 2

Plan to: Rube Goldberg work day #2

Target: Students will use their understanding of the forces and simple machines while collaborating with others to design and build a Rube Goldberg device.

- Due Today: Doc. #2a: “Changes and Modifications”, and Doc. #2b: “Reflections – DAY 2” – **Due @ End of Day**
- Assignments: Finish day one docs and think about how to improve or modify your device.

Thursday: 12/19/24 – 8th grade Rube Goldberg - Day 3

Plan to: Rube Goldberg work day #3

Target: Students will use their understanding of the forces and simple machines while collaborating with others to design and build a Rube Goldberg device.

- Due Today: Doc. #3: “Reflections – DAY 3” – **Due @ End of Day**
- Assignments: Finish day one docs and think about how to improve or modify your device.

Friday: 12/20/24– 8th grade Rube Goldberg – Day 4

Plan to: Final Rube Goldberg Day and Presentation and Celebration

Target: Students will use their understanding of the forces and simple machines while collaborating with others to design and build a Rube Goldberg device.

- Due Today: Final Rube Goldberg device. Doc. #4a: “IMA Calculations”, #4b: “Reflections – DAY 4” – **Due @ End of Day**
- Assignments: None. Have a good Break!

Monday: 12/23/24 – Friday: 1/3/25
– NO SCHOOL – Winter Break

