



Jrac Science

Weekly Plans for
Monday, November 4, 2024 – Friday, November 22, 2024



Monday: 11/4/24

Plan to: Work on drawing Free body diagrams and Net Force problems and calculations

Target: Students will gain a better understanding of Forces by participating in a classroom discussion and applying their new knowledge.

Due today: Nothing

Assignments: Finish worksheet: “Free Bird Body Diagrams”

Tuesday: 11/5/24

Plan to: Continue discussion on Forces (Net Force, **Friction**, Gravity)

Target: Students will gain a better understanding of Forces by participating in a classroom discussion while taking notes.

Due today: worksheet: “Free Bird Body Diagrams”

Assignments: None

Wednesday: 11/6/24 (PA Veterans Day Performance)

Plan to: Review Free body Diagrams , then Watch the Science of Disney Imagineering: Friction

Target: Students will gain a better understanding of Friction forces as they relate to real world situations.

Due today: Nothing

Assignments: Complete worksheet: “Disney’s Friction”

Thursday: 11/7/24

Plan to: Begin individual Lab: “I’m stuck on you (virtual lab)” – DAY 1– Data Collection

Target: Students will investigate the ideas of the coefficient of Friction and the forces needed to overcome it.

Due today: Nothing

Assignments: Finish all parts of Day ONE of the Lab.

Friday: 11/8/24

Plan to: Finish work on individual Lab: “I’m stuck on you – DAY 2– Hands on/ Calculations / Questions

Target: Students will investigate the ideas of the coefficient of Friction and the forces needed to overcome it.

Due today: Nothing

Assignments: Finish Lab: “I’m stuck on you”– **Due on WEDNESDAY (11/13//24)!**

Monday: 11/11/24 - NO SCHOOL – Parent / Teacher Conferences

Tuesday: 11/12/24 - NO SCHOOL – Teacher Inservice

Wednesday: 11/13/24 – Science Olympiad Field trip (Faraday Lecture)

Plan to: Watch the Science of Disney Imagineering: Gravity

Target: Students will gain a better understanding of the force of Gravity as they relate to real world situations.

Due today: Lab: “I’m stuck on you”

Assignments: Finish wks: “Disney’s Gravity”

Thursday: 11/14/24

Plan to: Continue discussion on Forces (Net Force, Friction, **Gravity**)

Target: Students will gain a better understanding of Forces by participating in a classroom discussion while taking notes.

Due today: Wks: “Disney’s Gravity”

Assignments: Start working on Study Guide.

Friday: 11/15/24

Plan to: Finish our discussion on Forces (Net Force, Friction, **Gravity**)

Target: Students will gain a better understanding of Newton's 3 laws of motion and how they relate to real world situations.

Due today: Nothing

Assignments: Finish Wks: 3-1:Forces and continue to work on Study Guide

Monday: 11/18/24 – PENNY WARS Week

Plan to: Begin discussion on the History of Sir Isaac Newton and his Three Laws of Motion

Target: Students will gain a better understanding of Newton's 3 laws of motion and how they relate to real world situations.

Due today: “Wks: 3-1: Forces”

Assignments: Watch Disney Imagineering: Newton’s Laws of Motion & Finish the Wks: “Disney Newton’s Laws”

Tuesday: 11/19/24

Plan to: Finish our discussion on Newton’s Three Laws of Motion

Target: Students will gain a better understanding of Newton's 3 laws of motion and how they relate to real world situations.

Due today: Wks: “Disney Newton’s Laws”

Assignments: Complete Wks: "Newton's Laws in Order"

Wednesday: 11/20/24

Plan to: Investigate/ Review laws of motion with LAB: Newton: Just Bust A Move!

Target: Students will gain a better understanding of Newton's 3 laws of motion and how they relate to real world situations.

Due today: Wks: "Newton's Laws in Order"

Assignments: Finish Lab: Newton: Just Bust A Move!

Thursday: 11/21/24

Plan to: Review homeworks and Work on/Review Study Guide/ ask questions and get help for test.

Target: Students will Review their knowledge of Motion as they prepare for their summative assessment.

Due today: Lab: Newton: Just Bust A Move!

Assignments: Continue to prepare for the Test.

Friday: 11/22/24– **TEST: Forces & Newton’s Laws** - Also an FR Activity (Pd 9)

Plan to: Take the Chapter 3 Test: Force & Newton’s Laws

Target: Students demonstration their knowledge and understanding of concept of Motion

Due today: Nothing

Assignments: Read Chapter 4: Sections 1, 2, & 3 – (before Tuesday)

Monday: 11/25/24

Plan to: Begin our next unit with Classroom Notes and discussion on Work and Energy: Working with Trig

Target: Students will gain a better understanding of Work and Energy and how they relate to real world situations.

Due today: Nothing.

Assignments: None.

Tuesday: 11/26/24

Plan to: Finish Classroom Notes and discussion on Work and Energy: Potential & Kinetic Energy

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

Due today: Nothing

Assignments: Complete wks: 4:1,2,&3 - Work, Machines and Describing Energy

Wednesday: 11/27/24 – Monday: 12/2/24 – NO SCHOOL – Thanksgiving

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. (12/9/24)

