



# Jrac Science

Weekly Plans for  
Monday, November 6, 2023 – Friday, December 1, 2023



## Monday: 11/6/23

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: 11/7/23

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: 11/8/23 – In School Veteran’s Day Performance

Plan to: 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: 11/9/23 – No School – Parent/Teacher Conferences

## Friday: 11/10/23 – No School for Students – Teacher Professional Development Day.

## Monday: 11/13/23

Plan to: Review Homework and then 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 Friction”

Assignments: Watch the Science of Disney Imagineering: Gravity and Complete the Wks: “Disney’s Gravity” – Due 11/15/23

## Tuesday: 11/14/23 – Faraday Lecture Field Trip

## Wednesday: 11/15/23

Plan to: Finish our discussion on Forces (Net Force, Friction, Gravity) then work on assignment.

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: Complete “Wks: 3-1: Forces”

## Thursday: 11/16/23

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: None

**Friday: 11/17/23**

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 by 2:59 pm MONDAY (11/20//23)!**

**Monday: 11/20/23**

Plan to: Watch the Science of Disney Imagineering: Newton’s Laws of Motion

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

Due today: Lab: “I’m stuck on you”

Assignments: Finish wks: “Disney Newton’s Laws”

**Tuesday: 11/21/23**

Plan to: Science News Break (SNB): **Read about current science in the SCIENCE WORLD magazine (November)**

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

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

Assignments: Finish All required Articles (found in Schoology) and your SNB reflection paper. (DUE = 2:58pm 11/28/23)

**Wednesday: 11/22/23 – Monday: 11/27/23 – No School - Thanksgiving Break**

**Tuesday: 11/28/23 – 8<sup>th</sup> Grade Holiday Door Decorating Contest (No Academic Classes 1-5)**

Plan to: Use periods 1-5 to decorate homeroom doors

Target: Students will be engaged in Scientific wonder as they watch and participate in several science Demonstrations.

Due today: SNB reflection paper (DUE = 2:58pm 11/28/23)

Assignments: None.

**Wednesday: 11/29/23**

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: Nothing

Assignments: Read section 3-2 and 3-3 (Pages 80 - 92) and begin working on Forces Study Guide to prepare for the upcoming test. **(The FORCES TEST is Currently scheduled for TUESDAY, December 5, 2023)**

**Thursday: 11/30/23 – LAST DAY To Buy Epic Day Passes from 7 Springs**

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: Nothing

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

**Friday: 12/1/23**

Plan to: Review homework and Newton's Laws Demonstrations and Discussion

Target: Students will demonstrate their understanding of Forces and Newton's 3 laws of motion.

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

