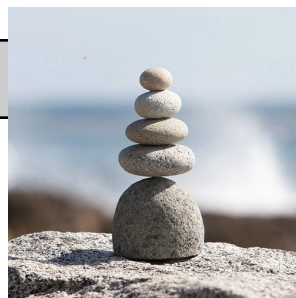


Unit 2: Mechanical Equilibrium

Periods 4 & 7

Learning Targets

1. I can define the concept of mechanical equilibrium.
 - A. I can **define** the concepts of force and net force.
 - B. I can **identify** the basic forces that objects experience.
 - C. I can **draw** free-body diagrams for objects in mechanical equilibrium.
 - D. I can **resolve** horizontal and vertical vectors.



Day	Date	Classroom Activity	Assignment
1	9/17	Introduction to Mechanical Equilibrium Vocabulary Journal - What are Forces?	- Read Sections 2.4 - 2.7 - due 9/18 - Apollo 13 Paragraphs - due 9/19 - Vocabulary Journal - due 9/20
2d	9/18	Forces & Motion - Who Gets the Candy?!? Worksheet Packet PhET Simulation Lab Discussion	Apollo 13 Paragraphs - due 9/19 - Vocabulary Journal - due 9/20
3	9/19	Net Force Notes	Vocabulary Journal - due 9/20
4d	9/20	4th Annual Jenga Tournament	None!!! =)
5	9/23	Mechanical Equilibrium Notes Little Nellie Newton	Little Nellie Newton & $\Sigma F = 0$
6	9/24	Mechanical Equilibrium Review Silly Nelly Orange Cat	Reading Questions 9 - 23 odds on page 35 in your Physics Textbook - due 9/25
7d	9/25	Smart Ropes Experiment Procedure - Partners	Lab Graph & Analysis Questions (one per lab pair) - due 9/27
8	9/26	"What's the Vector, Victor?" - Addition of Vectors - Parallelogram Method - Little Nelly and the Tree	Activity 2-2

Day	Date	Classroom Activity	Assignment
9d	9/27	Jenga Tournament - Round 2	Graphical Addition of Vectors
10	9/30		
11	10/1		
12d	10/2		
13	10/3		
14d	10/4		