

Physical Science – Chapter 11 – Unit Plan

Day One

Objective: Compare and contrast among Newton's Three Laws of Motion

Activities: Force Lecture 1
First Law Flickr

Day Two

Objective: Compare and contrast among Newton's Three Laws of Motion

Activities: Force Lecture 2
Whiteboard $F=ma$ problems

Day Three

Objective: Compare and contrast among Newton's Three Laws of Motion

Activities: Force Lecture 3, Action and reaction powerpoint activity
Homework: Newton's Second Law Wkst – due Mon 2/8

Day Four

Objective: Relate the Law of Conservation of Momentum to how it affects movement of objects

Activities: Force Lecture 4, Momentum
Newton's Cradle Activity

Day Five

Objective: Investigate Newton's First Law of Motion

Activities: First Law Worksheet in Class

Day Six

Objective: Investigate Newton's Laws of Motion

Activities: Physics of Starship Battles

http://www.youtube.com/view_play_list?p=4BCED42E304541FB&search_query=the+physics+of+starship+battles

Day Seven

Objective: Design and conduct investigations demonstrating Newton's third law of motion

Activities: Action-Reaction Lab

Day Eight

Objective: Relate Newton's Second Law of Motion to Universal Gravitation

Activities: Force Lecture 5 – Gravitation
Gravitation and Newton's Second Law Worksheet

Day Nine

Objective: Review Forces and Newton's Laws

Activities: Hard Hitting Review

Day Ten

Objective: Review Forces and Newton's Laws

Activities: Jeopardy

Day Eleven

Forces Assessment