Fun with Physical Science

Date	Topic	Activities & Handouts	Homework Due Before Next Class
April 17 Week 21	Simple Machines	**Notes**: Week …	Make a catapult of your choice using the popsicle sticks and rubber bands provided. We will test them in class next week by launching cotton balls. You can use this link as an example, but feel free to get creative: https://www.sciencebuddies.org/stem-activities/popsicle-stick-catapult?from=Blog
April 10 Week 20	Electricity and Circuits	**Notes**: Week …	Fill in the definitions on the back of the worksheet from class.
March 27 Week 19	Thermodynamics part 2	**Notes**: Week …	
March 20 Week 18	Thermodynamics	**Notes**: Week …	
March 13 Week 17	Learning about Light	**Notes**: Week …	
March 6 Week 16	Sound	**Notes**: Week 15 Worksheet	
February 27 Week 15	Field Trip Lowes Xtreme Air Sports	None	None
Feb 20 Week 14	World of Work	Station activity from class: Energ… **Notes:** Week …	**Homework Due February 27:** 1. **Energy Bingo** Complete the Energy Bingo by identifying different sources of energy you used or saw being used this week. Energy Bingo - Week 14 2. **Waiver for Next Week** On February 27th, we will be going on a field trip to Lowes Xtreme Airsports during class to wrap up our unit on Newton's laws of motion, kinetic and potential energy, and gravity.

			Everyone will need to fill out a waiver from Lowes to participate. We don't have a party or jump id so just leave that field blank: https://lilypadpos3.com/lowes/onlinewaiver/waiver.php.
Feb 13 Week 13	Dynamics of Motion	**Notes**: Week …	**Homework Due February 20:** Watch Potential vs. Kinetic Energy Video: https://www.generationgenius.com/?share=986E7 **Optional**: Continue to explore the Forces and Motion Simulator that we used in class: https://phet.colorado.edu/en/simulations/forces-and-motion-basics If you haven't already, you can answer the questions on this week's worksheet Activity 3: Week 13 - Dynamics of Motion - Works…
Feb 6 Week 12	Mechanics in Motion - Newton's Laws of Motion	**Notes**: Week …	**Homework Due February 13:** 1. Watch Newton's Laws of Motion Video: https://www.generationgenius.com/videolessons/newtons-laws-of-motion-video-for-kids/?share-link=AFEF3 2. Complete the Quiz: https://docs.google.com/forms/d/e/1FAIpQLSe0llvTwWCXmJdNRDxYFd7hC2wxtD-zJ9gcs-q0bqsbqPwOrA/viewform?usp=sharing
Nov 21	Review Game		
Nov 14	Magnetism	Week …	Optional Video: Quantum Locking Will Blow Your Min…
Nov 7	More Mixtures	Week …	
Oct 31	Multitude of Mixtures and Halloween Science	Week …	
Oct 24	Chemical Chaos	Week …	

Oct 10	Crystals and Polymers	Week … See page 3 for instructions on growing sugar crystals	You can also try to grow other types of crystals using salt, epsom salt, borax, or alum
Oct 3	Atoms and Elements	Week …	Videos from class: The genius of Mendeleev's periodic tab… How Atoms Bond: Ionic Bonds Atomic Bonding Song
Sept 26	Phase Changes of Matter	Week … Phase…	Here is the computer simulation we did in class: States of Matter: Basics
Sept 19	Sub Zero Field Trip		
Sept 12	States of Matter	Week …	States of matter
Sept 5	Properties of Matter	Week … If you want to make the lava lamp at home you can use vinegar or water. The vinegar will have a bigger reaction but both will work. Class …	Mass, Volume, Density Song