



- 1/5 Review games over material from first semester on motion/flight, ecology, & oceanography/marine science & a shell identifying activity.
No homework for today's class.
- 1/12 A first look at magnets, pull and push, magnets, the pull of the earth, Magnets at work
Prior to class,
Read: Batteries, Bulbs and Wires (BBW) p 6-13 Please read through the experiments to become familiar with the procedures.
Website suggestions on magnets:
<https://www.youtube.com/watch?v=7HHs98PBgk0&t=19s>
<https://www.youtube.com/watch?v=qe39mRJDns0>
DVD suggestion: at the JMRL system, "**Physical Science for Children, all about Magnets**" by Schlessinger media.
In Class: We will complete the experiment on p8 where we will test the force between the poles of two bar magnets. Also, we will make our own magnets on p9.
Complete: Homework Handout for today.
Optional: Create a roundup game p13, or an original magnet game. Bring it to class to show us how it works!
- 1/19 Electricity, an electric world, static electricity, simple circuits, electric test
Prior to class,
Read: BBW p 4-5, 16-18
Complete: Homework Handout for today.
Website suggestion:
<https://www.youtube.com/watch?v=yc2-363MIQs>
static electricity
Optional: Make a burglar alarm p19 and Morse code p20-21
In Class: Static electricity experiments, Morse code
- 1/26 Electricity, light at night, how light bulbs work, series and parallel circuits
Prior to class,
Read: BBW p 22-23
Complete: Homework handout for today
In Class: How does a flashlight work? How do light bulbs work? p22, set up series and parallel circuits p23
- 2/2 Electromagnets & & drawing pictures using a conducting pencil to light led lights.
Prior to class,
Read: BBW p24-25, 30-31
Complete: Homework Handout for today.
Optional: Activities on p26-29, electric sounds, electric motors
In Class: We will try repeating Oersted's experiment on p24, make an electromagnet p25

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Electrical safety

Prior to class **Website suggested**

https://e-smartonline.net/dom/66290_videos/66311_engsw_video/index.html

insulators 3: outdoor electrical safety 4: indoor electrical safety

No written homework for today

Classtime: electrical safety presentation by Dominion Power