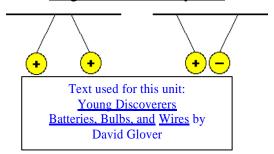
CHESSIE 2A & 2

(strawberries/ blueberries/ apples)

Magnetism/Electricity Unit



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=yc2-363MIOs

static electricity

Optional: Make a burglar alarm p19 and Morse code p20-21

In Class: Static electricity experiments, Morse code

Electricity, light at night, how light bulbs work, series and parallel circuits

Prior to class

1/26

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

2/2Electromagnets & & 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

Electrical safety 2/9

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