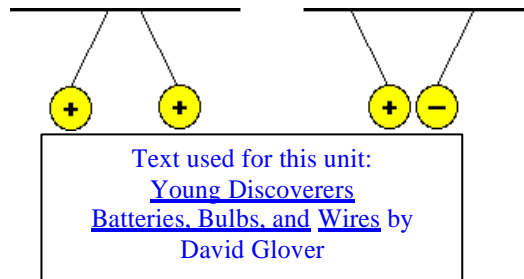


CHESSIE 2A & 2B SCHEDULE

Magnetism/Electricity Unit



- 1/9 Review games over material from first semester on motion/flight, ecology, & oceanography/marine science.
No homework for today's class.
- 1/16 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 suggestion: www.brainpop.com
USERNAME: risthailand
PASSWORD: Bangkok
Topics to watch: magnets, static electricity, Benjamin Franklin, Thomas Edison
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!
- 1/23 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: www.brainpop.com
USERNAME: risthailand
PASSWORD: Bangkok
Topics to watch: electricity, current electricity, electric circuits, electromagnets
<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
- 1/30 Electrical safety
Prior to class
Website suggestion:
http://www.e-smartonline.net/dom/66290_videos/66311_engsw_video/index.htm
Watch episode 1: Electricity Basics, episode 2: Conductors and insulators 3: outdoor electrical safety 4: indoor electrical safety
No written homework for today
Classtime: electrical safety presentation by Dominion Power
- 2/6 Electromagnets
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, series and parallel Circuits.

2/13

Electricity, light at night, how light bulbs work, & drawing pictures using a conducting pencil to light led lights

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, see how electricity produces heat and how water conducts electricity