

# Physics

Semester 2

Weeks 14 - 15

Monday / Tuesday (April 13 & 14)

- T: **6B** - Identify and describe examples of electric and magnetic fields in everyday life such as generators, motors, and transformers.
- O: I will demonstrate my understanding of the interactions of magnets and electricity
- D: by conducting a lab and writing a CER for a major grade.
- A: Electromagnets
- Y: What is the correlation between the voltage of batteries and the strength of an electromagnet?

# Wednesday / Thursday (April 15 & 16)

- DCA Magnetism

## Journal 6.1

- What are your plans the first week after the school year is over?

- T: **6B** - Identify and describe examples of electric and magnetic fields in everyday life such as generators, motors, and transformers.
- O: I will demonstrate my understanding of the interactions of magnets and electricity
- D: by taking my unit 8 DCA
- A: Electromagnets
- Y: What is magnetism?

# Launch

- “Courage is the most important of all the virtues because, without courage, you can’t practice any other virtue consistently.” —Maya Angelou

# Friday (April 17)

- C-day
- Test Remediation (if needed)
- DCA For students that were taking the US History Test

Monday /Tuesday (April 20 & 21)

- **T:8B** - Compare the characteristics of transverse and longitudinal waves including electromagnetic and sound waves.
- **8C** - Investigate and analyze characteristics of waves including velocity, frequency, amplitude, and wavelength, and calculate using the relationships between wave speed, frequency, and wavelength.
- **O:** I will be able to begin to understand the nature of waves
- **D:** by completing 3 tasks (slinky lab, PhET simulation, and video notes) over a two day period.
- **A:** waves, amplitude, frequency, wavelength
- **Y:** How are the major parts of waves interdependent?

Wednesday / Thursday (April 22 & 23)

- **T:8B** - Compare the characteristics of transverse and longitudinal waves including electromagnetic and sound waves.
- **8C** - Investigate and analyze characteristics of waves including velocity, frequency, amplitude, and wavelength, and calculate using the relationships between wave speed, frequency, and wavelength.
- **O:** I will be able to begin to understand the nature of waves
- **D:** by completing 3 tasks (slinky lab, PhET simulation, and video notes) over a two day period.
- **A:** waves, amplitude, frequency, wavelength
- **Y:** How are the major parts of waves interdependent?

# Friday (April 24)

- C-day