



# Electricity and Magnetism

UNIT DAILY AGENDAS

October 20

- ▶ Electrostatics intro with balloons

# October 23

- ▶ Electrostatics Refresh
- ▶ Lab: Stuck on You!
  - ▶ Follow the lab sheet and complete the lab on your own paper
- ▶ Electrostatics worksheet
  
- ▶ Quiz Thursday



# October 24

- ▶ Electric Fields
  - ▶ Video Examples
  - ▶ Lightning
  - ▶ Van de Graaff
- ▶ Electric field worksheet
- ▶ Quiz Thursday



# October 25

- ▶ Electrostatics practice
  - ▶ Electric potential
  - ▶ Electrostatics and electric field worksheets
- ▶ Return Energy/momentum test
- ▶ Quiz tomorrow



# October 26

- ▶ Electrostatics quiz
- ▶ Electric current
  - ▶ Flow of electric charge



# October 27

- ▶ Electric Current
  - ▶ Flow of electric charge
  - ▶ Ohm's Law
  - ▶ Electric Power



# October 30

- ▶ Electric Current
  - ▶ Flow of electric charge
  - ▶ Ohm's Law
  - ▶ Electric Power
  - ▶ Skills check (after 30 minutes practice/questions)
- ▶ Lab: Electric Circuits





# October 31

- ▶ Electrical Resistance
- ▶ Lab: Electric circuits
- ▶ Electric current and basic circuit quiz tomorrow

# November 1

- ▶ Lab: Electric circuits (45 min)
- ▶ Electric Current quiz (30 min)



# November 2

- ▶ Series and parallel circuit properties
- ▶ Practice with series and parallel circuits



# November 3

- ▶ Combination circuits
  - ▶ Examples
  - ▶ practice



November 6

- ▶ Electricity test review



November 8

▶ Electricity test



# November 9

- ▶ Magnetism
- ▶ Lab: Magnetic Field Mapping
- ▶ Homework: Skills Check #18 on Schoology

# November 10

- ▶ Electromagnetism
- ▶ Lab: Electromagnetism
  - ▶ Follow lab sheet
  - ▶ Answer all questions along the way, data and graph on your own paper.
- ▶ Last 40 minutes - Electromagnet, motors, generators, and transformers
- ▶ Homework: Skills Check #19 on Schoology