

Unit 9 - Its Electric! Electricity

Content Area: **Science**
Course(s): **Physics Honors, Horticulture 1**
Time Period: **May**
Length: **6 weeks**
Status: **Published**

Enduring Understandings

Electrical force fields exist around all charges.

Current electricity is the continuous motion of electrical charges and how this can be used to do work.

Essential Questions

How does moving an electric charge do work?

How do different circuits perform electrical work?

Content

Vocabulary:

Current

Potential difference

Electric field intensity

Resistance

Direct current

Alternating current

Parallel circuit

Series circuit

Capacitance

electrolysis

Skills

Describe and sketch circuit diagrams.

Calculate current, voltage, and or resistance for a given circuit.

Describe fields created by electric charge and how they induce fields in other objects.

Resources

Standards
