

Women and Technology and Trade Curriculum Kit Info Sheet



VaVa Voltage

Kit Description:

This kit will give students the opportunity to explore using real time sensors through writing a computer program to monitor the voltage of a variety of fruits and vegetables. The results of this activity can encourage discussions around the number of fruits required to perform every day activities like powering a lightbulb, or charging your phone.

Using the Adafruit Circuit Playground students can engage in other fun activities such as transforming your produce into a drum set or even adding capacitors to create a video game.

Key Areas Covered:

Grade 11: Plants in the Natural Environment, Scientific Investigation Skills, Technical Terminology and Scientific and Mathematical Concepts.
Grade 12: Structure and Properties of Matter, how pH impacts a chemical reaction, Electrochemistry, . Technical Terminology and Scientific and Mathematical Concepts

Material Required:

Computer with Windows 10 required for live readings
Adafruit circuit playgrounds \$30.00, Amazon
Produce of Choice (Lemons, etc.) \$5.00, Grocery Store
Alligator clips \$15.00, Amazon
Electrode Set \$13.81, Amazon

