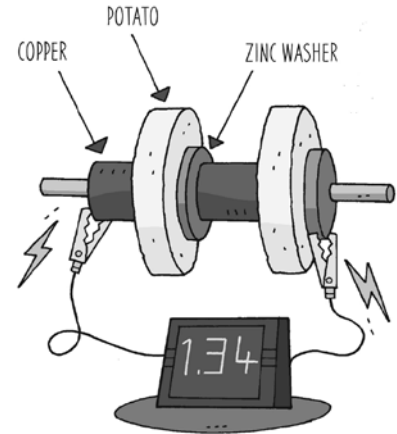


Teacher quick start guide – Vegetable batteries

What is the Vegetable Battery?

Fruit or vegetables can be used along with the kits supplied to generate electricity. The kits allow students to carry out various scientific investigations and measure the voltage produced. A student sheet is supplied which shows how to build the battery and briefly explains how it works.



Investigation Ideas

Ask your students to investigate one or more of the following questions, or ask them to come up with their own:

- Which fruit/vegetable provides the most electricity?
- Which metal combinations provide the most electricity?
- Do bigger pieces of fruit/vegetable give you more electricity?
- Do bigger electrodes give you more electricity?
- Which apple/potato varieties provide the most electricity?
- Which supermarket provides the best potatoes for batteries?
- Do apples from Llangefni or Holyhead produce more electricity?

SELECT INVESTIGATION
Use spinner to randomise

CONDUCT INVESTIGATION
Test hypothesis, draw conclusions

PRESENTATION OF FINDINGS
Teams present findings to class

Curriculum Links and Additional Guidance

A suggested investigation plan following the scientific method is detailed in the full teacher guidance. Curriculum links are also available in accompanying documentation.