How can Energy Sparks support investigations emerging from different subject areas?

Subject interests

Science & technology

How could we reduce energy use in our school?

Investigate heating, lighting, insulation, solar PV, building design or other technologies.

Maths & data

What can our school's energy data tell us about how the building is used?

Find patterns, compare periods and investigate unusual changes in consumption.

Communications & media

What would make students and staff care about saving energy?

Use the data to create a campaign designed for a specific audience.

Citizenship & psychology

How can we persuade people to use less energy?

Explore motivation, habits, social norms and behaviour change.

Politics & policy

What should schools be doing to reduce energy consumption and carbon emissions?

Explore the role of government policy, schools, local authorities and individuals.

Economics & business studies

Which energy-saving investment would give our school the best return?

Compare costs, potential savings, payback periods and carbon reduction.

Geography & citizenship

How could our school reduce its carbon footprint?

Investigate energy consumption, emissions and possible routes towards decarbonisation.