

We Are Detectives

This is a fun topic that will broaden your scientific view of the world around you as you learn about electricity and changing states.

Science

I can associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.

I can recognise some common conductors and insulators, and associate metals with being good conductors.

I can compare and group together everyday materials on the basis of their properties.

I can give reasons, based on comparative testing, for the uses of everyday materials.

I know that some materials will dissolve in liquid to form a solution, and can describe how to recover a substance from a solution.

I can use knowledge of solids, liquids and gases to decide how mixtures might be separated.

I can demonstrate that dissolving, mixing and changes of state are reversible changes.

I can explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible.

DT

I can research computer-controlled models and create a design for my gadget and a logo.

I understand how key inventors and inventions relate to my product.

I can make a detailed, step-by-step, plan using sketches and diagrams showing how my gadget will work.

I can choose and use tools and equipment to help me cut and join materials accurately, as well as connect electrical components.

I can use a computer control program to operate my product.

I can test my design, discuss what worked well and how I could improve it next time and listen to and respond to the feedback of others.

Spanish

I can name some countries that speak Spanish.

I can talk about how we are different and yet the same in Spanish.

I can talk about how to protect the planet in Spanish.

Music

I can sing The New Year Carol by Benjamin Britten.

I can clap a variety of rhythms in the song.

I can describe the musical mood, dimensions and structure of the song.

I can perform an accompaniment to the song using percussion instruments.

RE

I can describe and make connections between the different religions I have studied.

I can discuss and apply my own ideas, and the ideas of others', to ethical questions.

I can explore and consider different dimensions of religion.

I understand varied examples of religion and their significance within communities.

I can discuss and present my own views on challenging questions.

Hillstone Life Skills

I know what human rights are.

I understand why we have a right to an education.

I know the impact food has on the environment.

I know what prejudice and discrimination are.

I understand and value diversity.

Computing

I can explain that internet devices have addresses.

I can describe how computers use addresses to access websites.

I can identify and explain the main parts of a data packet.

I know how to access shared files stored online.

I can identify different ways of working together online.

I can explain the different ways in which people communicate.

I can compare different methods of communicating on the internet.