

Sciences - Forces, Electricity and Waves
Second Level SCN 2-07a

By investigating how friction, including air resistance, affects motion, I can suggest ways to improve efficiency in moving objects.

Sciences - Forces, Electricity and Waves
Second Level SCN 2-08a

I have collaborated in investigations to compare magnetic, electrostatic and gravitational forces and have explored their practical applications.

Sciences - Forces, Electricity and Waves
Second Level SCN 2-08b

By investigating floating and sinking of objects in water, I can apply my understanding of buoyancy to solve a practical challenge.

Sciences - Forces, Electricity and Waves
Second Level SCN 2-09a

I have used a range of electrical components to help to make a variety of circuits for differing purposes. I can represent my circuit using symbols and describe the transfer of energy around the circuit.

Sciences - Forces, Electricity and Waves
Second Level SCN 3-09a

Having measured the current and voltage in series and parallel circuits, I can design a circuit to show the advantages of parallel circuits in an everyday application.

Sciences - Forces, Electricity and Waves
Second Level SCN 2-10a

To begin to understand how batteries work, I can help to build simple chemical cells using readily-available materials which can be used to make an appliance work.

Sciences - Forces, Electricity and Waves
Second Level SCN 2-11a

Through research on how animals communicate, I can explain how sound vibrations are carried by waves through air, water and other media.

Sciences - Forces, Electricity and Waves
Second Level SCN 2-11b

By exploring reflections, the formation of shadows and the mixing of coloured lights, I can use my knowledge of the properties of light to show how it can be used in a creative way.