

Tomorrow's World

SCIENCE

Children will learn about recent scientific innovations and their impact. They will explore the question: **How has science and technology shaped the world we live in?**

Electricity

Children will learn about how to use electricity safely and the dangers associated with misuse. They will make their own electric circuits with a break, and learn how to make bulbs brighter and dimmer. They will learn and interpret electricity symbols, and use these to draw their own circuit diagrams. Children will have the opportunity to use a range of ICT programs to carry out experiments and learn more about circuits and conductors. They will learn about the different types of electricity, how it is generated and the journey into our homes.

Sound

Children will study sound. They will investigate how sounds are made when objects vibrate, but that vibrations are not always directly visible. They will be taught how to change the pitch and loudness of sounds produced by some vibrating objects. They will learn that vibrations from sound sources require a medium through which to travel to the ear.

Children will further develop their skills and learn how to be an effective scientist. They will record their work in a variety of ways including: written reports, graphs, charts, diagrams and tables. Children will be encouraged to think independently and raise questions about working scientifically and the knowledge and skills it brings.

Children will develop practical skills in a range of contexts, and plan and carry out investigations, making predictions, considering evidence and drawing conclusions. Children will be encouraged to use and apply the correct terminology and demonstrate their understanding in written and verbal form.

DT

The children will use a range of techniques to design, make and evaluate a 'model of the future' with an electrical circuit, including a switch.

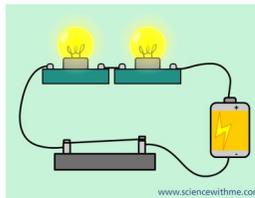


PE

Children will develop gymnastic skills and confidence in the use of a range of equipment. At Hawkhurst, the Y4 children will have the opportunity to take part in a range of outdoor activities.

ICT

The children will use ICT to support learning in other curriculum subjects. They will undertake research using selected websites and software, and will present their findings in different ways. They will continue to refine their coding skills in order to produce algorithms, independently using logical and appropriate structures to organise and record data. The Year 4 children will also use a range of IT equipment to record our residential visit to Hawkhurst.



ART

Children will develop skills of shading to show light and shadow and will experiment with different pencils to create a range of effects. They will explore the work of futuristic artists Umberto Boccioni and Giacomo Balla and will create art work in the same style, using different printing techniques and materials.

HAVING FUN!

Gosforth Civic Centre - 5th March
Hawkhurst - C10 25th—27h March
C9—1st—3rd April



RE

The children will explore the Bible and learn about the New Testament. They will make a guide of how to find the books and will use drama to retell some of the stories. They will explore the history of the bible and discuss how it is used in church.

MUSIC

The children will have a weekly music lesson with the Music Service, learning how to play the ukulele. The children will learn to read and play music, and will work towards an end of term concert.

SPANISH

The children will continue to learn basic key words and phrases. They will also learn about friends, families and hobbies.

PHSC #RESPONSIBLECITIZENS

Children will reflect on different relationships. They will carry out role play in small groups, to act out different scenarios and how conflicts can be resolved. They will complete small group work to explore the concept of confidentiality and decision making. They will discuss and debate a range of jobs, and explain how they will develop skills to work in the future and how they can make a positive contribution to society.

