

COMPUTING - NETWORKS

The children will understand how a computer network, like the school's network provides multiple services through the school switch, the main server, the router and the firewall. They will recognise the importance of a firewall in keeping the school community safe online as it prevents unauthorised access to the school network and it stops viruses. Finally, the children will understand how to check the accuracy of something you have read from the internet by consider bias when content has been written to persuade rather than to inform.

MFL – PLANNING A HOLIDAY

The children will use maps to begin to understand where French is spoken throughout the world. They will then select which of these places they would really like to visit before beginning to plan a visit to their chosen place. They will learn the names of different types of transport and consider which of these can be used to reach their holiday destination. The children will learn the names in French of the different places that they could stay such as *un hôtel, un appartement, un gîte, or un camping*.

SCIENCE – LIGHT

The children will recognise that light appears to travel in straight lines and that we see objects because they either give out or reflect light into the eye. They will consolidate this understanding by completing scientific diagrams (ray diagrams) to symbolise this. The children will then work scientifically to investigate the relationship between light sources, objects and shadows. They will use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

GEOGRAPHY –TRADE

The children will describe and understand key aspects of trade within Hemsworth by visiting the local markets and shops. Following their fieldwork, they will be able to do follow-up work using key geographical vocabulary (local trade, national trade, global trade, import and export). The children will learn about key aspects of the trade process finding out more about the global supply chain, the primary stage, the secondary stage and the tertiary stage. Finally, the children will learn more about fair trade and visit the local supermarket to find out how much fair-trade produce is actually on the shelves.

Light

Year 6 - Summer



RE – ISLAM

The children will learn the names of the 5 Pillars of Islam before studying the events of Ramadan in more detail. They will learn that Muslims don't eat or drink from dawn until sunset. They will also learn that Ramadan lasts for thirty days and ends with a huge celebration called Eid. They will understand that following Ramadan helps Muslims think about the needs of those who are poor and without food. Finally, the children will learn about zakat, a compulsory giving of wealth each year to obey God and help others.

HISTORY – COAL MINING

In this unit, the children will develop their understanding of local history by visiting the National Coal Mining museum in Wakefield. The children will learn about why there was an increased need for coal during the nineteenth century. They will find out about the jobs that children did and why they were dangerous. The children will learn about the Acts that were introduced to protect the children and whether they were always successful in delivering what they intended. They will also learn about how the mining industry boomed and then crashed and the impact this left on the local community.

DT – NIGHT LIGHTS

The children will investigate and analyse a range of torches by investigating how they work, what they look like and how they are made, looking carefully at the electrical system. The children will create a circuit for their night light that includes bulbs, batteries and a switch in a more complex design that they did in Year 5 for their buggy. This time, the switch will be on the outside of their product. The children will use and apply their understanding of work done in computing lessons with *Crumble* to program, monitor and control their night light.

MUSIC – ROCK AND ROLL

The children will learn how to improvise using five notes of the pentatonic scale. They will understand and play different musical forms and structures such as binary, ternary and rondo. They will further develop their understanding of the history of music using what they studied in Year 5. To do this, the children will use their increased aural memory to recall sounds accurately in a longer piece of music. Finally, during their singing work, they will hold their part in a round and sing in harmony with others.

ART – POP ART

The children will be introduced to the artists associated with the Pop Art movement, including Andy Warhol and Roy Lichtenstein. They will recognise that it represents images and icons from the modern world such as: celebrities, commercial items and comic books. They will explore different ways that artists create pop-art art by repeating the item over and over again, changing its colour and texture or putting different items together to make a picture. They will apply these skills to create their own pop art image of their chosen famous inventor.

OUTDOOR PE – ATHLETICS

Throughout this unit, the children will continue to work on a range of athletics skills and will describe the positive effects of exercise. They will develop warm-up exercises and take part in a variety of pulse-raising games to increase stamina and strength. They will develop the techniques of drive and speed when running over long and short distances. They will focus on the different techniques for the shot put, discus and javelin. The children will develop these skills in a variety of ways so that they are able to apply them in different situations.

Light

Year 6 - Summer



RELATIONSHIPS AND HEALTH

The children will understand that some substances are legal and help you get better whilst others are illegal and can harm the body. They will recognise the risks of smoking, alcohol and drug-taking. The children will be able to recall the definitions for an allergy, an immunisation and a vaccination. Finally, the children will write an explanation text to show how to support someone with a sprain or strain when giving first aid. They will learn what the RICE technique means.

INDOOR PE – HEALTH AND FITNESS

The children begin the unit by visiting the E360 gym where they learn how to safely perform a range of exercises and are introduced to the concept of aerobic and anaerobic exercise. From this, children partake in a range of exercises and learn the benefits of different exercise types and the importance of healthy lifestyles. Children then use this learnt knowledge to design and implement their own exercise programme with their peers.