

Curriculum map for Foundation Subjects - Year 5



	Science	Computing	History	Geography	PE	Art	Design Technology	Music	RE	French	PSHE
Autumn 1	<p>Forces</p> <p>Children will learn about contact and non-contact forces. They will learn about gravitational force and explore how to measure this with Newton meters. They will learn about friction and air friction through investigations.</p> <p>They will study famous scientists such as Aristotle, Johannes Kepler, Galileo Galilei, Sir Isaac Newton and Albert Einstein. By the end of the term they should be able to Compare and describe the effects of gravitational force, water resistance, air resistance and friction.</p>	<p>Computer systems and Networks</p> <p>Children learn to recognise IT systems around us and how they allow us to search the internet.</p>	<p>Dynamic Dynasties</p> <p>Children learn about the history of ancient China, focusing primarily on the Shang Dynasty, and explores the lasting legacy of the first five Chinese dynasties, some of which can still be seen in the world today</p>	<p>Investigating our world</p> <p>Children will learn about locating map features using a range of methods. They learn about the Prime Meridian, Greenwich Mean Time (GMT), and worldwide time zones and study interconnected climate zones, vegetation belts and biomes. Children learn about human geography and capital cities worldwide before looking at the UK motorway network and settlements. They carry out an enquiry to identify local settlement types.</p>	<p>Real PE Unit 2 Social Skills</p> <p>Cambridge Scheme Football</p>	<p>Colour in landscapes (linked to Dynamic Dynasties)</p> <p>Children learn about colour theory by studying tints, shades and tones. They learn about the features of landscapes before using this knowledge to create landscape paintings.</p>	<p>Moving Mechanisms</p> <p>Children learn about pneumatic systems. They experiment with pneumatics before designing, making and evaluating a pneumatic machine that performs a useful function.</p>	<p>Melody and Harmony</p> <p>Children learn that a melody (or a tune) is a group of notes played one after another. In music, 'melody' contrasts with 'harmony'. Harmony means notes which are played at the same time, like chords. They learn that composers often think of a melody and then add harmony to it. They explore the voices that sing the melodies and the instruments used within the music in this unit to create the harmonies. Can you hear the difference?</p>	<p>Sikhism Belief into Action</p> <p>How far would a Sikh go for his/her religion?</p> <p>Do religious people lead better lives?</p> <p>Is religion the most important influence and inspiration in everyone's life?</p>	<p>Phonics Lesson 3 – embed prior learning before moving on.</p>	<p>Being me in my world</p> <p>In this unit, the children think and plan for the year ahead, goals they could set for themselves as well as the challenges they may face. They explore their rights and responsibilities as a member of their class, school, wider community and the country they live in. The children learn about their own behaviour and its impact on a group as well as choices, rewards, consequences and the feelings associated with each. They also learn about democracy, how it benefits the school and how they can contribute towards it. They revisit the Jigsaw Charter and set up their Jigsaw Journals.</p>

**Autumn
2**

**Earth and
Space**

Children will learn about Earth and other planets and how they move in relationship to the sun. They will learn to explain day and night, and the Sun's apparent movement across the sky. They will learn to describe the Sun, Earth and Moon as spherical bodies and understand and model phases of the moon. They will learn about solar and lunar eclipses and why they occur.

Creating Media

Children learn to create images in a drawing program by using layers and groups of objects.

**Real PE Unit 1
Personal Skills**

**Cambridge
Scheme
Netball**

**Taotie (linked to
Dynamic
Dynasties)**

Children learn about the significance and art of the taotie motif, including ancient and contemporary casting methods.

**Sing and play
in different
styles**

Children learn to sing and play in different styles with different grooves is part of being in a band or an ensemble. They learn about music from all around the world, too. In music, 'tempo' refers to the speed of the beat – or how fast or slow the music sounds. Sometimes tempos stay the same throughout a song, and sometimes they change.

**Christianity
Christmas**

Is the Christmas story true?

Do sacred texts have to be 'true' to help people understand their religion?

**Do you have a
pet?**

Children learn to say what pet they have and do not have in French.

**Celebrating
differences**

In this unit, the children explore culture and cultural differences. They link this to racism, debating what it is and how to be aware of their own feelings towards people from different cultures. They revisit the topic of bullying and discuss rumour spreading and name-calling. The children learn that there are direct and indirect ways of bullying as well as ways to encourage children to not using bullying behaviours. The children consider happiness regardless of material wealth and respecting other people's cultures.

<p>Spring 1</p>	<p>Lifecycles and human reproduction.</p> <p>Children will learn to compare the life cycles of animals, including a mammal, an amphibian, an insect and a bird. They will learn to describe the changes as humans develop from birth to old age (gestation, juvenile adolescence, adulthood) They will learn to Label and draw the parts of a flower involved in sexual reproduction in plants (stamen, filament, anther, pollen, carpel, stigma, style, ovary, ovule and sepal).</p> <p>They will learn about the life process of reproduction in some animals and about reproduction for humans. They will learn about personal hygiene and how important this is during puberty.</p>	<p>Creating Media</p> <p>Children learn to plan, capture, and edit video to produce a short film.</p>		<p>Sow, Grow and Farm</p> <p>Children learn about the features and characteristics of land use in agricultural regions across the world, including a detailed exploration of significant environmental areas.</p>	<p>Real PE Unit 3 Cognitive Skills</p> <p>Real Leaders/Swimming</p>	<p>Line, Lights and Shadows (linked to Sow, Grown and Farm)</p> <p>Children learn about the visual qualities of line, light and shadow. They explore the work of Pablo Picasso and Rembrandt and are introduced to a range of shading techniques. They take black and white photographs and use pencil, pen and ink wash to reimagine their photographs in a shaded drawing.</p>	<p>Eat the Seasons</p> <p>Children learn about the meaning and benefits of seasonal eating, including food preparation and cooking techniques.</p>	<p>Composing and chords.</p> <p>Children learn that if we play three or more pitches together, we can create chords in music. Chords provide the basis for accompaniment in music. By using chords in compositions, we can create music that is really interesting.</p>	<p>Sikhism Beliefs and Moral Values</p> <p>Are Sikh stories important today?</p> <p>Do sacred texts have to be 'true' to help people understand their religion?</p> <p>Is religion the most important influence and inspiration in everyone's life?</p>	<p>What is the date?</p> <p>Children learn to say the date in French.</p>	<p>Dreams and Goals</p> <p>In this unit, the children share their dreams and goals and how they might need money to help them achieve them. They consider jobs that people they know do, they look at the fact that some jobs pay more money than others and reflect on what types of jobs they might like to do when they are older. The children look at the similarities and differences between themselves (and their dreams and goals) and someone from a different culture.</p>
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Spring 2

**Real PE Unit 5
Creative Skills**

Swimming

Natures Art

Children learn about the genre of land art. They work outdoors to sketch natural forms and explore the sculptural potential of natural materials before working collaboratively to create land art installations.

Enjoying musical styles

Children learn that there are so many different, wonderful and interesting styles of music. Something that happens in music that makes it so interesting is 'texture'. 'Texture' refers to the layers of sound you hear in a piece of music. Texture can be the number of voices and instruments you hear at once. Styles of music have different textures. Children will explore how voices and instruments combine to create texture in music.

Christianity Easter

Did God intend Jesus to be crucified and if so, was Jesus aware of this?

Do sacred texts have to be true to help people to understand the religion?

The Weather

Children learn to describe the weather in French.

Healthy me

In this unit, the children investigate the risks associated with smoking and how it affects the lungs, liver and heart. Likewise, they learn about the risks associated with alcohol misuse. They are taught a range of basic first aid and emergency procedures (including the recovery position) and learn how to contact the emergency services when needed. The children investigate how body types are portrayed in the media, social media and celebrity culture. They also learn about eating disorders and people's relationships with food and how this can be linked to negative body image pressures.

<p>Summer 1</p>	<p>Properties and changes in materials.</p> <p>Children will learn to understand what properties of materials are and to test material properties. They will learn to investigate thermal conduction and insulation/ Temperature change over time/slowing heating loss and insulation. They will explore fair testing and justify their thinking using evidence. They will learn how to Separate mixtures by filtering, sieving and evaporating. They will also learn to identify, demonstrate and compare reversible and irreversible changes.</p>	<p>Programming B</p> <p>Children learn to explore a selection in programming to design and code an interactive quiz.</p>	<p>Ground-breaking Greeks</p> <p>Children learn about developments and changes over six periods of ancient Greek history, focusing on the city state of Athens in the Classical age, and exploring the lasting legacy of ancient Greece.</p>	<p>Revise and embed knowledge learned.</p>	<p>Real PE Unit 4 Applying Physical</p> <p>Country Dancing</p>	<p>Mixed Media (linked to Groundbreaking Greeks)</p> <p>Children learn about paper crafts, papermaking and collage techniques, including paper, fabric, mixed media and photo collage. They use their learning to create a final piece of small-scale, mixed media collage.</p>	<p>Architecture</p> <p>Children learn how architectural style and technology has developed over time and then use this knowledge to design a building with specific features.</p>	<p>Freedom to improvise</p> <p>Children learn that improvisation gives you the freedom to express yourself, to really go for it! Children will explore using notes that lie further apart. An 'interval' in music refers to the distance between two pitches. Some notes lie right next to each other (stepping motion) while other notes lie further apart (skipping motion).</p>	<p>Sikhism Prayer and Worship</p> <p>What is the best way for a Sikh to show commitment to God?</p> <p>Do all religious beliefs influence people to behave well towards others?</p> <p>Does participating in worship help people to feel closer to God or their faith community?</p>	<p>Clothes</p> <p>Children learn to describe what clothes they are wearing by colour in French.</p>	<p>Relationships</p> <p>Children learn about the importance of self-esteem. They explore how social media can damage mental health, including gaming and social networking. They learn about age-limits and also age-appropriateness. Within these lessons, children are taught the SMARRT internet safety rules and they apply these in different situations. Risk, pressure and influences are revisited with a focus on the physical and emotional aspects of identifying when something online or in social media feels uncomfortable or unsafe. Children are taught about grooming. Rights, responsibilities and respect are revisited with an angle on technology use. Screen time is also discussed and children find ways to reduce their own screen time.</p>
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**Real PE Unit 6
Health & Fitness**

Expression

Children learn about the Expressionist art movement and the '**Father of Expressionism**', **Edvard Munch**. They explore different ways to portray feelings and emotions in art to create an imaginative self-portrait.

Battle of the Bands

Children will learn how to create a fun and confident performance with their choice of music and songs. They might perform in small groups and as a whole class. They might have their own band that wants to perform. They will learn to introduce their music professionally and think about audience and what they would like to see and hear.

Christianity Beliefs and Practices

What is the best way for a Christian to show commitment to God?

Do religious people lead better lives?

Does participating in worship help people to feel closer to God or their faith community?

Olympics

Children learn to describe an Olympian by their sporting title and say what particular sport they play using the verb faire.

Changing me

In this unit, the children revisit self-esteem, self-image and body image. They learn that we all have perceptions about ourselves and others, and these may be right or wrong. They also reflect on how social media and the media can promote unhelpful comparison and how to manage this. Puberty is revisited in further detail, explaining bodily changes in males and females. Sexual intercourse is explained in slightly more detail than in the previous year. Children are encouraged to ask questions and seek clarification about anything they don't understand. Further details about pregnancy are introduced including some facts about the development of the foetus and some simple explanation about alternative ways of conception, e.g. IVF. Children learn



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that having a baby is a personal choice. Details of contraceptive options and methods are not taught as this is not age-appropriate. Reasons why people choose to be in a romantic relationship and choose to have a baby are also explored. Children look at what becoming a teenager means for them with an increase in freedom, rights and responsibilities. They also consider the perceptions that surround teenagers and reflect whether they are always accurate, e.g. teenagers are always moody; all teenagers have a boyfriend/girlfriend, etc.