



This half term, Year 4 will be exploring the enquiry question: **“How does our food affect our bodies and our planet?”**

In Science, the children will learn about the digestive system and understand how food travels through the body to provide energy and nutrients. They will also explore the different types of teeth (incisors, canines and molars) and discover how each one helps us bite, tear and grind food.

In Geography, pupils will investigate where our food comes from and why different foods grow in different parts of the world. They will learn about climate zones, farming, and how countries trade food with one another. The children will also think about food miles and how transporting food can impact the environment.

To bring their learning together, children may take part in a Design and Technology project where they will design and make a healthy and environmentally friendly meal, considering ingredients, seasonality and where food comes from.

Through this learning, pupils will develop a better understanding of how the choices we make about food can affect both our bodies and the wider world.

**Read through the attached knowledge organiser with your child and check they understand the content. You could ask them to explain it to you – ‘teaching’ you helps them to reinforce their own learning. Quiz facts out of order to check children really know the fact and have not just memorised the order on the page!**

| Subject | Possible learning at home  |  |
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| English | <p>Our text for the half term is ‘Charlie and the Chocolate Factory’ by Roald Dahl. We will be practising our comprehension skills when answering a range of questions about what we are reading. We will begin by focussing on retrieval and inference questions, which will enable us to get to know the characters really well. We will be using the story as a stimulus for writing, including a diary entry from the viewpoint of Charlie and a persuasive advert for a new sweet-treat in Willy Wonka’s factory. Additionally, we will be reading for information when finding out about Fairtrade and will write an information text focusing on Fairtrade products and the journey they take to reach our shelves.</p> | <ul style="list-style-type: none"> <li>• Visit the library and choose another of Roald Dahl’s books. Who is your favourite character? Compare with film versions. Which do you prefer?</li> <li>• Write your own experience of finding a golden ticket. How did you feel? What did you do? Who would you take to the factory? Look out for golden tickets appearing in the classroom!</li> <li>• Find out more about how our body works by reading non-fiction books. Write an explanation. Remember to say how’ or ‘why’ something happens.</li> <li>• Write questions about the text that your child is reading for them to answer. Can they write their own questions about the text for you to answer?!</li> </ul> <p><b>Continue to practise weekly spellings</b><br/> <b>Read something different – recipe book, comic, magazine, newspaper.</b></p> |
| Maths   | <p>In Maths, we will begin this term by looking at area of shapes. Children will be finding the areas of shapes by counting squares and will then move onto comparing areas of shapes and drawing shapes with certain areas. Later in the term, we will learn about unit and non-unit fractions of shapes and groups of objects before developing our understanding further to find equivalent fractions, count in fractions and add and subtract fractions. We will be focusing on our problem-solving skills through activities involving visualising and representing our thinking. Here children will be looking at how images and concrete materials can be used to explain mathematical concepts and</p>                 | <ul style="list-style-type: none"> <li>• Continue to practice rapid recall of all times table’s facts. This could be using the programme Times Tables Rock stars or through chanting them, quick-fire questions, matching activities and games. Once facts have been learnt and can be recalled, focus on quicker response times. (the Y4 times tables’ assessment in June allows 6 seconds per question).</li> <li>• Maths homework will be a range of arithmetic questions involving concepts the children have been taught so far this year. Supporting children in practising these skills will be hugely beneficial. These are questions children are expected to answer at the end of Year 4 to be at the expected standard.</li> </ul>  |



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|                     | ideas. We will also be continuing our Mastering Number sessions which are supporting children with rapid recall of times table facts.  |  |
| Geography           | In Geography, Year 4 will be learning about where our food comes from and how it travels around the world. Children will explore climate zones and learn how temperature, rainfall and sunlight affect what crops can grow in different parts of the world. They will compare the UK's temperate climate with warmer climates and investigate why some foods, such as bananas or rice, cannot be grown easily in the UK. Pupils will also learn about farming and how different foods are produced. They will investigate how countries trade food with each other and how many foods travel long distances before reaching our plates. This will introduce the idea of food miles and encourage children to think about how transporting food can affect the environment. Through this learning, children will develop a better understanding of how food production connects places around the world and how our food choices can impact the planet. | <ul style="list-style-type: none"> <li>• Look at food labels to find out where the foods you eat are produced or grown.</li> <li>• Can you find out how many miles it has travelled to get to your dinner table?</li> <li>• Look at maps and atlases to locate these places and name the continent, country and closest ocean.</li> <li>• Are any foods produced in your local area?</li> </ul>  |
| PSHCE               | During Spring 2, Year 4 will explore the question 'How will we grow and change?' during their PSHE lessons. Over the next few weeks, the children will be learning about puberty and the physical and emotional changes which occur as they mature. These sessions will take place as a whole class, involving both boys and girls.  | <ul style="list-style-type: none"> <li>• What is the Eat well Plate?</li> <li>• How easy is it to follow the guidelines on healthy eating?</li> <li>• Look at ingredients on foods you eat. How easy is it to find out how much sugar is in different foods?</li> <li>• Discuss with your child the changes that their bodies will begin to go through physically and how this may make them feel.</li> </ul>  |
| DT                  | This half term in Design and Technology, Year 4 will design and make a healthy and environmentally friendly meal. Children will think carefully about ingredients, considering both nutrition and the impact food choices can have on the environment. They will develop practical cooking skills, including measuring and weighing ingredients accurately with little support, and will learn the importance of good food hygiene and safe food preparation. Children will then evaluate their meal, reflecting on how healthy and sustainable their choices were.  | <ul style="list-style-type: none"> <li>• Do you know anyone who grows their own fruit and veg? What is growing in their gardens now? What is 'seasonal' produce?</li> <li>• Help at home to peel, chop and prepare different vegetables.</li> <li>• Try following a recipe.</li> </ul>   |
| Science             | As scientists we will; explore the functions and parts of the digestive system, identify the different types of teeth in humans and their functions, construct and interpret food chains, and carry out fair tests, make predictions, observe patterns and effects and explain what we have observed using scientific vocabulary.  | <ul style="list-style-type: none"> <li>• Find out more about science investigations and experiments by exploring the following 'Terrific science' website.<br/><a href="https://www.bbc.co.uk/teach/terrific-scientific">https://www.bbc.co.uk/teach/terrific-scientific</a></li> <li>• Look at your teeth in the mirror. How are they the same/different. Can you find out the names of different types of teeth and their function?</li> <li>• Find out about other animal's teeth.</li> </ul> |
| Religious Education | In Religious Education, we will explore the question "Why is Jesus inspiring to some people?" as part of their learning about Christianity. Children will learn about key stories from the life and teachings of Jesus and discuss how these   | <ul style="list-style-type: none"> <li>• Talk about inspiring people: Discuss people your child finds inspiring (family members, historical figures or community heroes) and what qualities make them good role models.</li> </ul>   |

# Year 4

# Spring 2 Overview



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|                    | messages inspire Christians to live their lives today. They will reflect on values such as kindness, forgiveness and helping others, and consider why these ideas are important to many people.   | <ul style="list-style-type: none"><li>• Explore stories together</li><li>• Practise kindness at home: Encourage small acts of kindness, forgiveness or helping others.</li></ul>   |
| Physical Education | <p>Our PE day change:<br/><b>Monday</b> (Indoor) and <b>Friday</b> (Outdoor). <b>Please ensure your child comes to school dressed in school PE kit.</b> This kit should be in the school colours and not branded. The kit must consist of the following items:<br/>yellow/purple or plain white t-shirt<br/>black/green shorts<br/>plimsolls<br/>trainers<br/>jogging bottoms/track suit for outdoor use and for the cold weather – black, green<br/>Please note, if your child is not wearing school PE kit/colours, they will be asked to change.</p> <p>In our outdoor lessons this half-term we will be developing our football skills. Our indoor sessions will be dance linked to our class book 'Charlie and the Chocolate Factory'.</p> | <ul style="list-style-type: none"><li>• Go outside as much as you can! Go for a walk, play in the park, ride your bike, play a ball game!</li><li>• Step out of your comfort zone and try a new sport that you have never considered before, you never know, you may just find your favourite way to keep fit!</li><li>• Make up your own Wake and Shake routine. Teach someone else.</li><li>• Make up a short dance routine linked to parts of the story of Charlie and the Chocolate Factory.</li></ul> |
| Music              | The children will continue to work with a music specialist from Durham Music Service on their singing and performing skills through 'Rock Choir'.   | Practise some of the songs learnt during Rock Choir sessions...even in the shower or the car as many of the songs will be familiar to the whole family.  |