

Year 5 – Subject Overview

Autumn 1	
	
	Overview
English	In Autumn Term, Year 5 will explore two texts, <i>One Giant Leap</i> by Don Brown and <i>The Highwayman</i> by Alfred Noyes. Through <i>One Giant Leap</i>, pupils will write a non-chronological report about the Space Race and a short biographical narrative based on Neil Armstrong. They will focus on identifying audience and purpose, using models of high-quality non-fiction writing, selecting formal vocabulary and maintaining a factual tone. They will also organise their writing using headings, subheadings and paragraphs, as well as summarising information from more than one source. Grammar and punctuation will include formal and informal language, passive voice, expanded noun phrases, parenthesis using brackets and commas, and colons to introduce lists. Alongside this, pupils will study <i>The Highwayman</i> and use the poem as inspiration for their own narrative poem. They will explore poetic structure and rhythm, create atmosphere through setting and action, use sentence length for effect and perform their writing aloud with expression. They will develop their use of figurative language, including similes, metaphors and personification, as well as using hyphens in compound adjectives and commas for clarity. Spelling and transcription work will continue throughout the term, with a focus on the Year 5/6 statutory spelling list, prefixes and suffixes, spelling patterns within poetic vocabulary, and using dictionaries and thesauruses effectively.
Maths	This half term we will be consolidating our knowledge of increasingly larger numbers, examining the place value of tens of thousands and hundreds of thousands. This will then lead us into working with the formal written methods of addition, subtraction, multiplication and division.
RE	Please see the 'Catholic Life' tab on our website to see which Virtue we are focussing on this half term. During this half term, across the school, teachers will be delivering lessons from the 'Creation and Covenant' branch from the new RE curriculum 'Discerning Disciples'. As children move up the school, they will be developing their knowledge, discernment and response to the Creation story. They will also develop their understanding of what is meant by 'covenant' and will explore God's covenant with Noah, Abraham and Moses.

Science	This half term we will be exploring the exciting topic of Earth and Space, learning about the planets in our solar system, and discovering how celestial movement causes changes on Earth, such as day and night, seasonal weather patterns, and the phases of the moon. I highly recommend your spend some time outside with your children, now that the evenings are darker earlier, enjoying and learning about the wonders of the constellations that are visible to us, as well as observing the changing phases of the moon throughout the month.
PE	<i>Please see website to see which day your child has PE this half term.</i> In this PE unit, Year 5 pupils will develop their cricket skills. They will take part in a range of games and activities focusing on the key skills of hitting, catching and bowling. Pupils will develop their technique and accuracy while learning how to apply these skills in different game situations. They will also work on their teamwork, communication and decision-making, developing their understanding of how to use their skills effectively when batting and fielding. Children will also be swimming. They will be building up their confidence in the water, learning life saving skills and improving on progress made in previous years. For swimming lessons, all children must have a swimming cap (available for purchase from Alsager Leisure Centre) as well as a suitable swimming costume (single-piece costume for girls, swimming trunks or briefs for boys—Bermuda shorts are not suitable) and a towel in a waterproof bag.
History	<i>This half term the children will be exploring the ancient Maya civilisation in Mesoamerica, a civilisation that existed for over two thousand years, yet has kept many secrets hidden within the confines of the dense rainforest, and remain to be discovered. We will examine what is currently known about their culture, society, writing and numeracy systems, and religious beliefs, and learn about how our understanding of historical knowledge is based on primary and secondary sources, and how to differentiate between these two evidences.</i>
Art	In this Art unit, Year 5 pupils will explore how drawing and graphic design skills can be used to create typography and pictorial maps. They will experiment with different lettering styles, shapes, patterns and symbols, developing greater control and confidence with a range of drawing materials and techniques. Pupils will use their sketchbooks to record ideas, experiment with designs and revisit and develop their work. They will then use their typography skills to create a pictorial map, combining lettering, drawing and graphics to communicate information in a creative and visually engaging way. Throughout the unit, pupils will develop their understanding of how artists and designers use typography, symbols and images to communicate ideas, while refining their own techniques through experimentation and evaluation.

Computing	<i>We will begin this year by revisiting the topic of internet safety, and issues around online bullying, appropriate use of technology, and risks of false information or news that can be prevalent in the world today. In addition, we ask that all children feel comfortable using devices at home for their homework, whether this is a laptop, PC, tablet or mobile phone. If you have any questions or concerns about this, please contact the school to discuss what we can do to support you.</i>
French	<i>We will be revisiting previously learnt vocabulary through games and "repeat after me" activities. Children should be confident with colours, numbers up to 20, and greetings.</i>

Autumn 2



Subject	Overview
English	In Autumn Term, Year 5 will explore two texts, <i>One Giant Leap</i> by Don Brown and <i>The Highwayman</i> by Alfred Noyes. Through <i>One Giant Leap</i>, pupils will write a non-chronological report about the Space Race and a short biographical narrative based on Neil Armstrong. They will focus on identifying audience and purpose, using models of high-quality non-fiction writing, selecting formal vocabulary and maintaining a factual tone. They will also organise their writing using headings, subheadings and paragraphs, as well as summarising information from more than one source. Grammar and punctuation will include formal and informal language, passive voice, expanded noun phrases, parenthesis using brackets and commas, and colons to introduce lists. Alongside this, pupils will study <i>The Highwayman</i> and use the poem as inspiration for their own narrative poem. They will explore poetic structure and rhythm, create atmosphere through setting and action, use sentence length for effect and perform their writing aloud with expression. They will develop their use of figurative language, including similes, metaphors and personification, as well as using hyphens in compound adjectives and commas for clarity. Spelling and transcription work will continue throughout the term, with a focus on the Year 5/6 statutory spelling list, prefixes and suffixes, spelling patterns within poetic vocabulary, and using dictionaries and thesauruses effectively.
Maths	This half term we will be moving our learning on to the three types of fractions (proper, improper, and mixed), as well as continuing our learning about multiplication and division strategies. This will then allow us to perform operation on fractions, such as adding and subtracting. We will improve our confidence with equivalent fractions, and knowing how to solve questions by converting to equivalence.
RE	<i>Please see the 'Catholic Life' tab on our website to see which Virtue we are focussing on this half term.</i>

	During this half term, across the school, teachers will be delivering lessons from the 'Prophecy and Promise' branch from the new RE curriculum 'Discerning Disciples'. As children move up the school, they will be developing their knowledge, discernment and response to areas of the curriculum including Advent, the expectant waiting for the Messiah, the messages and teachings of the prophets, the fulfilment of God's promise and the Nativity story.
Science	Building on knowledge gained in earlier year groups we will be learning about working scientifically to create experiments and hypotheses which we can test and measure results of. We will begin by exploring the physical properties of materials and how physical changes occur to solids, liquids, and gases, and how materials undergo reversible or irreversible changes.
PE	Please see website to see which day your child has PE this half term. This half-term, Year Five will be continuing to attend our statutory swimming lessons, which help us to achieve the target of all children being able to safely swim a minimum of 25m by the end of primary school, as well as understanding about water safety. For swimming lessons, all children must have a swimming cap (available for purchase from Leisure Centre) as well as a suitable swimming costume (single-piece costume for girls, swimming trunks or briefs for boys—Bermuda shorts are not suitable) and a towel in a waterproof bag. Children will also be taking part in HRE lessons. Through HRE we will learn about different types of exercise, the effects of regular exercise on the physical body as well as the mental benefits of leading a health active lifestyle.
Geography	To complement our topic this half term, the children will be learning about the various climate zones and biomes around the world, and researching how these include flora, fauna and weather patterns, as well as the diverse landscapes of our world. We will also learn about issues and problems facing our natural world, including pollution, deforestation, reduced biodiversity, and human habitation.
Design Technology	In this Design and Technology unit, Year 5 pupils will design and make their own Greek-inspired flatbread. They will explore Greek flavours and ingredients before designing a flatbread that meets a set of criteria. Pupils will develop their food preparation skills, including accurately measuring ingredients, safely using kitchen equipment and following a recipe. They will consider flavour, texture, appearance and presentation when selecting and combining ingredients. Pupils will make and evaluate their flatbread, making changes to their recipe and design where needed to improve the finished product.
Computing	<i>This halfterm we will be discovering the extended features of Microsoft Powerpoint, using it to create a visually appealing slideshow about a topic, object, person, hobby or activity. We will learn to use the</i>

	<i>formatting tools, inserting pictures and text accurately and for a purpose, and making aesthetic choices with the colours and fonts used. We will then finish our slideshows by using appropriate animations and transitions, before demonstrating our work to the whole class as an oral presentation.</i>
French	<i>This half term we will increase our confidence in oracy, widening the range of vocabulary and phrases we can speak. We will learn how to talk about how we are feeling and responding to conversational French dialogue. Towards the end of this term we will also learn about some common objects and decorations related to Christmas, using translations for the children to understand and noun-adjective relationship in French.</i>

Spring 1



	Overview
English	Pupils will explore <i>Street Child</i> by Berlie Doherty and use the text to develop their writing across a range of genres. They will write a diary entry from Jim Jarvis's viewpoint, a balanced argument considering whether Victorian London was fair to children, a formal witness statement and an extended character narrative from his sister's perspective. Throughout the unit, pupils will consider audience and purpose and develop their ability to structure arguments, select evidence and write from different viewpoints. They will explore how to develop character voice, use dialogue to move a story forward and create a sense of setting, emotion and atmosphere. Pupils will also focus on maintaining cohesion within and across paragraphs and editing their work for clarity and impact. Grammar and punctuation will include speech punctuation and layout, pronouns for cohesion, fronted adverbials and varied sentence openers, consistent tense, modal verbs and adverbs of possibility, relative clauses, formal sentence structures and the use of colons and semi-colons. They will also develop their use of cohesive devices to link ideas and paragraphs. Spelling work will focus on homophones and commonly confused words, alongside the accurate spelling of ambitious vocabulary.
Maths	This half term we will be improving our knowledge of multiplication and division of increasingly larger numbers. We will then explore fractions and decimals in greater detail, increasing our confidence when performing calculation involving these numbers. We will also spend some time understanding logical reasoning problems, calculations written in word form, which can sometimes be a challenge.
RE	<i>Please see the 'Catholic Life' tab on our website to see which Virtue we are focussing on this half term.</i> During this half term, across the school, teachers will be delivering lessons from the 'Galilee to Jerusalem' branch from the new RE curriculum 'Discerning Disciples'. As children move up the school, they will be developing their knowledge, discernment and response to areas of the curriculum including Jesus's

	ministry, the parables and miracles of Jesus, his teachings, the concept of discipleship and being a follower of Christ.
Science	This half term continues our exploration of physical materials, where we shall be looking at dissolving solid materials in liquids to create solutions, and performing an experiment to demonstrate our knowledge of variables and controls. Later, we will then ask how we can reverse this process, retrieving dissolved material from the solvent, understanding the real-world uses of separating materials.
PE	Please see website to see which day your child has PE this half term. PE -This half-term, we will be developing our co-ordination co-operation skills, as well as devising our own choreographed gymnastic routine that will demonstrate control, flexibility and balance. The children will also be tasked with providing coaching and critique for their peers, working to understand how the 'social' aspect of physical education directly influences the 'active' strands. They will also be taking part in dance lessons with Miss Georgina. They will choreograph dance routines, work in groups and work on rhythm and timing. Over this half term, the children will compose a piece of work that blends contemporary and modern movements within a specific theme. We will also be visiting our collegiate partner, Saint Margaret Ward Catholic High School, who are kindly allowing us the use of their fantastic sport facilities to showcase some sports and activities that we might not otherwise have the chance to participate.
History	This half term, the children will be learning about Britain in the period between 400AD and 1600AD, when early Britain was invaded and settled by the Anglo-Saxon tribes. We will discover how these newcomers helped create and shape the land we know today as England, including our language, our laws, our cities, and our religion
Art	In this Art unit, Year 5 pupils will explore how artists use and combine different media to capture the energy and character of landscapes and cityscapes. They will experiment with a range of materials and techniques, taking inspiration from the world around them and exploring how colour, texture, shape and line can be used to create atmosphere. Pupils will use their sketchbooks to record observations, test ideas and experiment freely with different materials, understanding that the creative process is just as important as the finished piece. They will be encouraged to take creative risks, share their discoveries and be inspired by the work of others, developing their confidence and independence as artists.
Computing	<i>This half term we will be learning about the powerful features in Microsoft Excel, using the program as a calculator, but also as a fully functional business organiser. We will plan and design our own business, managing the profit and loss, as well as maintaining a budget. We will learn some simple formula equations to automate many processes.</i>
French	<i>In our French lessons this half term we will continue to expand our conversational French, by including concepts relating to schools subjects, my emotions, and why I like/dislike something.</i> <i>We will also study the French traditional holiday of La Chandeleur.</i>

Spring 2



Subject	Overview
English	Pupils will explore <i>Street Child</i> by Berlie Doherty and use the text to develop their writing across a range of genres. They will write a diary entry from Jim Jarvis's viewpoint, a balanced argument considering whether Victorian London was fair to children, a formal witness statement and an extended character narrative from his sister's perspective. Throughout the unit, pupils will consider audience and purpose and develop their ability to structure arguments, select evidence and write from different viewpoints. They will explore how to develop character voice, use dialogue to move a story forward and create a sense of setting, emotion and atmosphere. Pupils will also focus on maintaining cohesion within and across paragraphs and editing their work for clarity and impact. Grammar and punctuation will include speech punctuation and layout, pronouns for cohesion, fronted adverbials and varied sentence openers, consistent tense, modal verbs and adverbs of possibility, relative clauses, formal sentence structures and the use of colons and semi-colons. They will also develop their use of cohesive devices to link ideas and paragraphs. Spelling work will focus on homophones and commonly confused words, alongside the accurate spelling of ambitious vocabulary.
Maths	This half term we will be consolidating our knowledge of decimals, fractions and percentages. We will then explore area and perimeter, including in complex composite shapes. And finally we will look at data handling using different types of graphs, charts, tables and diagrams.
RE	<i>Please see the 'Catholic Life' tab on our website to see which Virtue we are focussing on this half term.</i> During this half term, across the school, teachers will be delivering lessons from the 'Desert to Garden' branch from the new RE curriculum 'Discerning Disciples'. As children move up the school, they will be developing their knowledge, discernment and response to areas of the curriculum including the liturgical season of Lent, Holy Week and the journey of darkness into light during the passion of Christ and into Easter Sunday.
Science	This half term we will be learning about various forces that act upon the physical world, and how we can observe and measure these forces. We will learn about Isaac Newton and his "discovery" of gravity, as well as the concepts of push/pull and drag/momentum. We will perform a variety of experiments to investigate air resistance, water resistance, and surface friction. We will also undertake a demonstration of how simple mechanical devices provide advantage to force, such as pulleys, levers, and gears.
PE	Please see website to see which day your child has PE this half term.

	In this PE unit, Year 5 pupils will develop their skills in orienteering and handball. Through orienteering activities, they will develop their ability to navigate, follow maps and directions, work as part of a team and make decisions about routes and strategies. In handball, pupils will develop their passing, catching, shooting and movement skills, learning how to create space and work effectively with others in game situations. They will also develop their teamwork, communication and decision-making skills, applying these across a range of games and challenges.
Design Technology	In this Design and Technology unit, Year 5 pupils will design and make their own pencil case, developing their sewing and textile skills. They will explore different fabrics and designs before creating a template and planning their finished product. Pupils will learn how to accurately measure, mark out and cut fabric, as well as practising different sewing techniques. A key focus of the unit will be learning how to attach a zip securely using sewing techniques. Pupils will follow a design, make and evaluate process, testing and adapting their pencil case as they work and evaluating their finished product against their original design.
Geography	In this Geography unit, Year 5 pupils will compare Brazil and the UK, exploring the similarities and differences between the two countries. They will investigate population, climate, landscapes and settlements, as well as how people live and work in different areas. Pupils will explore different lifestyles, including housing, education, transport, food and employment, and consider how these can be influenced by the physical and human geography of a place. They will use maps, data and other geographical sources to develop their understanding and make comparisons between Brazil and the UK, considering how and why life can be different in different parts of the world.
Computing	This half term we will learn about the technique of animation throughout the last century, from hand-drawn frame-by-frame animation, to stop-motion freeze frames and computer generated images. We will then apply this knowledge using stop-capture software to create a short film using playdoh and desktop objects.
French	This half term we will learn the names for many types of foods and beverages, and begin to form common dialogue phrases that might be used on a holiday when visiting a restaurant. We will discuss what food we like and dislike. We will also explore another traditional French holiday, Mardi Gras, the celebration of the preparation for the season of Lent.

Summer 1

	
Overview	
English	Pupils will explore <i>Kensuke's Kingdom</i> by Michael Morpurgo and use the text to develop their writing across a range of genres. They will begin by writing a detailed setting description of the island, using sensory language to create a clear picture for the reader. They will then write a non-chronological report titled <i>How to Survive on a Desert Island</i> , using formal language, technical vocabulary, subheadings and well-organised paragraphs. To finish the unit, pupils will write their own island survival story inspired by the text, developing setting, character and action and

	using dialogue to move the narrative forward. Grammar and punctuation will include relative clauses, brackets, commas and dashes for parenthesis, subject-verb agreement, expanded noun phrases, prepositional phrases, figurative language, fronted adverbials and cohesive devices. Pupils will also explore how varying sentence length can be used for effect and how writing can be organised effectively across paragraphs.
Maths	This half term we will be delving into calculating angles and using protractors to measure angles, including recognising geometry facts about 2D and 3D shapes, and measuring lines and angles within shapes. We will revisit the topic of co-ordinates, and expand our learning by using 2-quadrant charts, and learning how to translate and reflect points and shapes accurately. We will finish this term by looking at more complex arithmetic using decimal numbers, ensuring we are confident with adding and subtracting numbers below the decimal point.
RE	<i>Please see the 'Catholic Life' tab on our website to see which Virtue we are focussing on this half term.</i> During this half term, across the school, teachers will be delivering lessons from the 'To the Ends of the Earth' branch from the new RE curriculum 'Discerning Disciples'. As children move up the school, they will be developing their knowledge, discernment and response to areas of the curriculum including the time of Eastertide, the story of Resurrection and Ascension, the coming of the Holy Spirit at Pentecost, the story of the Apostles and the early Church and Church today - community, role, liturgy structures (mass)
Science	This half term we will be looking at reproduction in plants and animals, including humans. These lessons will take place alongside the Relationship, Health and Sex Education lessons (RHSE), and can provoke many curious questions from young minds. We will understand the different stages of life that human beings go through, from fertilisation to old age, and how our bodies develop and change throughout our whole life. We will learn about the increasing role of hormones within adolescent bodies, as well as understanding the importance of constructing healthy, active, hygienic routines.
PE	Please see website to see which day your child has PE this half term. In this PE unit, Year 5 pupils will develop their skills in athletics and rounders. In athletics, they will work on running, jumping and throwing techniques, developing their speed, strength, coordination and accuracy. In rounders, pupils will develop their batting, bowling, catching and fielding skills, learning how to apply these in different game situations. They will also focus on teamwork, communication and decision-making, developing their ability to work effectively with others and use tactics during games.
History	<i>This half term the children will be focusing on the ideas of locality, changes through time, and impacted lifestyles. The children will have the</i>

	<i>opportunity to ponder key questions about significant events of the past in the local area and reflect and understand the importance of these events, people and inventions on their own lives. Their studies will focus on the importance on the mining industry of Kidsgrove and its impact on the local area. It will also consider superstitions and the culture in the past in the area.</i>
Art	In this Art unit, Year 5 pupils will explore set design, taking inspiration from the theatre production of <i>War Horse</i> . They will look at how cardboard and other materials can be used to create effective sets and explore how scale, shape, texture and colour can help to create a sense of place and atmosphere. Pupils will design and make their own <i>Kensuke's Kingdom</i> -inspired set, using cardboard construction techniques to create an island or key setting from the text. They will experiment with materials and develop their ideas through sketches and models before creating their final set. Throughout the unit, pupils will consider how set design can help to tell a story and communicate mood and setting to an audience.
Computing	We will be learning how computing programming and coding algorithms work to create functional applications and programs. We will be learning a version of "block coding" using Scratch, a free to access interface that can be accessed at home too. Children we develop their own computer game using algorithms, functions and variables. They will learn about errors and bugs, and the process of debugging computer code.
French	This half term we will consolidate our learning about colours and numbers alongside new learning about names for body parts. We will learn a French translation of "head, shoulders, knees and toes," and apply our learning to sentences about mythical monsters.

Summer 2



Subject	Overview
English	Pupils will explore <i>Kensuke's Kingdom</i> by Michael Morpurgo and use the text to develop their writing across a range of genres. They will begin by writing a detailed setting description of the island, using sensory language to create a clear picture for the reader. They will then write a non-chronological report titled <i>How to Survive on a Desert Island</i> , using formal language, technical vocabulary, subheadings and well-organised paragraphs. To finish the unit, pupils will write their own island survival story inspired by the text, developing setting, character and action and using dialogue to move the narrative forward. Grammar and punctuation will include relative clauses, brackets, commas and dashes for parenthesis, subject-verb agreement, expanded noun phrases, prepositional phrases, figurative language, fronted adverbials and cohesive devices. Pupils will also explore how varying sentence length can be used for effect and how writing can be organised effectively across paragraphs.
Maths	This half term we will ensure our knowledge of long multiplication and short division are solid, while also learning about data handling in mathematics (charts, tables, graphs and timetables). We will practice and improve our learning about fractions, decimals and percentages,

	including converting between the three types, and using them in real-life contexts. We will then recap previously learnt areas in order to secure those challenging topics, making sure we are ready for next year.
RE	<i>Please see the 'Catholic Life' tab on our website to see which Virtue we are focussing on this half term.</i> During this half term, across the school, teachers will be delivering lessons from the 'To the Ends of the Earth' branch from the new RE curriculum 'Discerning Disciples'. This unit gives children across the school to explore how Christians engage with people of different faiths and religions. We encourage a sense of respect and dignity to all.
Science	This half term we will be continuing our learning about reproduction in plants and animals, including lifecycles of various animal species. We will compare and contrast the reproduction and lifecycles for different types of animals (fish, reptiles, birds) compared to mammals. Our learning will also explore some famous scientists and naturalists who studied the world around us, in order to help us understand it.
PE	Please see website to see which day your child has PE this half term. In this PE unit, Year 5 pupils will develop their skills in tag rugby and continue with their dance lessons. In tag rugby, they will work on passing, catching, evading and finding space, learning how to apply these skills in game situations and work effectively as a team. In dance, pupils will explore different movements, rhythms and sequences, developing their coordination, control and ability to perform with expression. They will work individually and in groups to create and perform routines, focusing on timing, teamwork and using movement to communicate ideas
Design Technology	In this CAMS unit, Year 5 pupils will develop their Design and Technology skills by designing and making their own working CAM mechanism inspired by <i>Kensuke's Kingdom</i>. They will explore how cams and followers work to create movement and investigate different types of cams before designing their own mechanism. Pupils will plan, make and test their automaton, selecting suitable materials and making adjustments to ensure that the mechanism works effectively. They will use their creativity to design an island or survival-themed scene, incorporating a moving character or feature linked to the text. Throughout the unit, pupils will develop their understanding of mechanisms, accurate measuring and joining techniques, and evaluate and improve their finished product against their original design.
Geography	In this Geography unit, Year 5 pupils will explore coastal environments and develop their understanding of how and why coastlines change over time. They will look at different types of beaches and coastal features, exploring how they are formed and how they vary from place to place. Pupils will investigate coastal erosion and the impact it has on coastal communities and environments, using a coastal case study to explore these ideas in more detail. They will also take part in a beach visit, using

	their geographical skills to observe, record and investigate coastal features and processes first-hand.
Computing	In this Computing unit, Year 5 pupils will develop their understanding of computer systems and networks using the Teach Computing scheme. They will explore how devices are connected and how information is shared across networks, developing an understanding of how the internet works. Pupils will also learn how search engines work and how to search effectively to find reliable and relevant information. They will consider how search results are ranked and develop their ability to make sensible choices about the information they find online.
French	We will learn the French names for the planets in our solar system, as well as applying adjectives to them, confidently recalling the noun-adjective order. We will be speaking in longer sentences, and understanding common everyday phrases.