



## Curriculum Overview Year 5

At Westgate, we organise our curriculum themes on a two-year rolling programme so that consecutive year groups plan and learn together, while learning is made age-appropriate through differentiation, teacher expectation and challenge.

In addition to the National Curriculum, we also teach Philosophy for Children (P4C) across school. Our Foreign Language is Spanish and is taught from Reception upwards.

Our curriculum is designed to be relevant to the children we teach, to connect with the local and wider community, to promote enquiry and independence, to prepare them for life in the 21<sup>st</sup> century, and above all to be exciting and engaging. We ensure this through a hands-on, practical approach, drawing on visits, visitors and themed events in order to inspire children as learners.

### Summary of curriculum content in this phase:

#### Year A

**English:** Literacy is taught everyday with an additional guided reading, spelling and handwriting session each week. A range of genres are taught throughout the year, such as, non-fiction, fiction and poetry. **Fiction topics are:** narrative story structure, traditional stories, myths and legends, play scripts, stories by significant authors and stories from other cultures. **Non-fiction texts:** instructions, recounts/newspapers, non-chronological reports, explanations, persuasive writing and dictionary skills. **Poetry units:** choral and performance poetry and poetry. There is also a spelling, handwriting, grammar and punctuation sessions to develop key skills.

**Mathematics:** Maths is taught every day with a mental and oral starter. Throughout the Year, the children cover the following topics:

1. **Number, place value, rounding.** Year 5 will be taught to read, write, order and compare numbers up to 1 000 000 and determine the value of each digit, round any whole number to a required degree of accuracy and interpret negative whole numbers in context.
2. **Addition, subtraction, multiplication and division.** Children are taught to add and subtract numbers with more than 4 digits, including using formal written methods of column addition and subtraction, and to solve multi-step problems. They are taught to multiply multi-digit numbers up to 4 digits by one and two-digit numbers, using formal written methods of long multiplication, and divide numbers up to 4 digits by a one-digit whole number, using the formal written method of short division, and interpret remainders appropriate for the context.

3. **Fractions and decimals.** Children compare and order fractions, whose denominators are all multiples of the same number. We teach them to recognise mixed numbers and improper fractions and convert from one to another, and add, subtract and multiply fractions. They read, write, round and order decimal numbers, including converting to fractions and solve problems with percentages.
4. **Geometry** Children identify 3-D shapes from 2-D representations and draw shapes using given dimensions and angles. Year 5 estimate, measure and draw angles, compare different angles and explore acute, obtuse and reflex angles. We teach them to identify, describe and represent the position of a shape following a reflection or translation.
5. **Measures and data** Year 5 solve problems involving the calculation and conversion of units of measure, using decimal notation. They use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation. They learn to calculate perimeter and Children learn to use a range of scales and different representations of data in many different contexts.

**Science:** The science topics this year are: Materials, Earth and Space, Classification, Body works (including Sex and Relationship Education) and Evolution and Inheritance. In Year 5 we look at the relationship between the Earth, moon and Sun. We study the features of materials and look at their properties in different states. In the summer term we explore evolution theories and look at what makes us healthy studying heart rate and the effect of exercise on our bodies.

**PE:** Over the course of the year the children continue to develop a range of skills, such as, coordination, team work, throwing and catching skills. These are all developed through a range of sports: cricket, rugby, hockey, basketball, striking and fielding games, gym and dance.

**Computing:** As well as using many Office products such as Publisher, Word and Powerpoint to present information, children in Year 5 continue to learn about internet research and safety. They begin to explore the world of programming using Scratch, will explain how simple algorithms work and write blogs.

**Geography:** Through the topics Coasts, North America and Whitby, year 5 will locate the world's countries, with a particular focus on North America and Whitby, concentrating on environmental regions, key physical and human characteristics, countries, and major cities. They will understand geographical similarities and differences through the study of human and physical geography of these different regions, and will use field work, maps, atlases, globes and digital/computer mapping.

**History:** Our history topics are Ancient Greece and Slavery. We look at slavery throughout the ages, but in particular concentrate on the triangular trade and how people were taken from Africa across the Atlantic to North and South America. We learn about the Ancient Greeks and their many wonderful inventions and innovations which are still being used today.

**Music :** Through singing and playing instruments, children actively develop musical skills in performing, composing, listening and reviewing. Children learn songs and create music across a range of styles, which are linked to other curriculum areas where appropriate.

**Art & Design:** In Year A, linked to our topic Slavery, we study the work of African born artist Julien Sinzogan, who has represented the spirits of the slaves returning to Africa in his work 'Gates of

Return'. Also linked to our topic Slavery, we look closely at the materials and significance of La Bouche de Roi, an exhibition displayed in Liverpool docks to uncover the personalities of forgotten slaves. In the spring term we work with clay to make urns, and use tools to carve and add shapes, texture and pattern. Through our Whitby topic, we study a local artist and use Whitby buildings, including the Abbey, as inspiration for our art work which uses a variety of techniques and media including collage, watercolour and ink work.

**Design & Technology:** This year we will be designing and building mechanical cars. Linked to our topic on Ancient Greece, we will use a range of baking and cooking techniques to explore Greek recipes. We also study inspirational design throughout history and the children develop their textile skills by designing and making a bag suitable for a day trip. They must choose suitable materials for visual and tactile effect and join textiles with a combination of stitching.

**Languages (Spanish):** Every other half term the children have a language specialist teacher who teaches Spanish. They will reinforce vocabulary learned in previous years as well as applying their language knowledge in simple conversations about themselves and starting to learn about feminine and masculine agreements. They will learn about customs, history and culture in Spanish speaking countries.

## **PSHE**

During our PSHE topics we will explore messages given on food adverts and how this can be misleading. We will look at how the media can manipulate images and that these images may not reflect reality. We will also look at stereotyping, including gender stereotyping. We will look at prejudice and discrimination and how this can make people feel. During our safety topic we will learn about keeping safe online. During our MindMate topic we will learn about times of change and how this can make people feel and about the feelings associated with loss, grief and bereavement. During our drugs topic we will learn about the risks associated with smoking drugs, including cigarettes, e-cigarettes, shisha and cannabis and we will develop strategies to resist pressure from others about whether to use drugs.

## **Year B**

**English:** Literacy is taught everyday with an additional guided reading, spelling and handwriting session each week. A range of genres are taught throughout the year, such as, non-fiction, fiction and poetry. **Fiction topics are:** narrative story structure, traditional stories, myths and legends, play scripts, stories by significant authors and stories from other cultures. **Non-fiction texts:** instructions, recounts/newspapers, non-chronological reports, explanations, persuasive writing and dictionary skills. **Poetry units:** choral and performance poetry and poetry. There is also a spelling, handwriting, grammar and punctuation sessions to develop key skills.

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**Science:** The science topics this year are: forces, electricity, animals, human development, light and healthy eating. Through these topics we study the effects of air resistance, water resistance and friction, which act between moving surfaces. The children learn about the muscular, skeletal, digestive system and circulatory system. They develop a more detailed understanding of mirrors and the reflections they form, and explore refraction. Year 5 also explore in detail the life cycle of various plants and animals.

**PE:** Over the course of the year the children develop a range of skills, such as, coordination, team work, throwing and catching skills. These are all developed through a range of sports: cricket, rugby, hockey, basketball, striking and fielding games, gym and dance.

**Computing:** As well as using many Office products such as Publisher, Word and Powerpoint to present information, children in Year 5 continue to learn about internet research and safety. They begin to explore the world of programming using Scratch, will explain how simple algorithms work and write blogs.

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**History:** The historical topics are: '**Saltaire** and '**The Mayans**'. We study the effects of the Industrial revolution and visit Saltaire to see what impact Titus Salt had upon his workers. Was he a modern day hero or a ruthless business man? The Mayan civilisation was very different to Europe at the similar time. What made it so different, what beliefs did the people of South America hold and what does evidence tell us and what questions still lie untold.

**Music :** Through singing and playing instruments, children actively develop musical skills in performing, composing, listening and reviewing. Children learn songs and create music across a range of styles, which are linked to other curriculum areas where appropriate..

**Art & Design:** In Year B we look at the artwork of David Hockney and L.S Lowry linked to our Saltaire visit in History. From urban art we move to clay work looking at Mayan hieroglyphs and codice stampers used to create books. Through our Whitby topic, we study a local artist and use Whitby buildings, including the Abbey, as inspiration for our art work which uses a variety of techniques and media including collage, watercolour and ink work.

**Design & Technology:** Linked to our topic Saltaire, children develop a range of practical skills to plan, design and make a model village which includes an electrical system. The children investigate structures and architecture, through the study of Mayan pyramids, looking at how to reinforce and make a stable structure. The children test and evaluate their designs suggesting ways to improve their structures. In summer term, children design and make a healthy meal, measuring accurately and calculating ratios of ingredients to scale up or down from a recipe.

**Languages (Spanish):** Every other half term the children have a language specialist teacher who teaches Spanish. They will reinforce vocabulary learned in previous years as well as applying their language knowledge in simple conversations about themselves and starting to learn about feminine and masculine agreements. They will learn about customs, history and culture in Spanish speaking countries.

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