Oak Class (Y5/6) Curriculum Map: Autumn Cycle A

Autumn Themes	English	Maths	Science
Ancient Greece From the gods they worshipped to the bread they ate. We will be covering all things ancient Greece. Our class text ' The Adventures of Odysseus', which is linked to our History topic, will give us the opportunity to write for a variety of purposes around this topic. **South America** We will have a voyage of discovery to South America where chocolate was first invented as they learn about the countries, culture and geography of this fascinating continent. Our class text 'The Explorer' will also give us other opportunities to explore this wonderful theme through our writing.	In Autumn 1, Oak Class will be reading the incredible The Adventures of Odysseus, which is linked to our History topic. We will be writing for a variety of purposes: Children will write their own narrative chapter of the text. and develop their non-fiction writing skills by creating a news article set in Ancient Greece. Come Autumn 2, the children will write a balanced argument around deforestation that will be based on research and Geography learning. In the lead up to Christmas, Oak class will delve into the festive world of A Christmas Carol by Charles Dickens as they write their own play script based on the classic novel and a biography all about Charles Dickens. 	As Mathematicians we will be: understanding about Number and place value within numbers to 1 million/10 million. Including learning our roman numerals, counting, rounding, comparing and ordering and negative number; understanding addition and subtraction with up to 4 columns and two exchanges, solving inverse operations and multi-step addition and subtraction problems/adding and subtracting whole numbers; understanding Multiplication and Division up to multiplying 4-digits by 2-digits and multiplying and dividing by: 10, 100 and 1,000; understanding Multiplication and Division and the associated facts, factors, prime, squared and cubed numbers. Be able to multiply and divide by 10,100,1,000; identifying, naming and writing equivalent fractions of a given fraction, represented visually, including tenths and hundredths (Y5); using common factors to simplify fractions; and use common multiples to express fractions in the same denomination (Y6).	In Autumn 1, Oak Class will be exploring Earth and Space! We will: explain the movement of the Earth, and other planets, relative to the Sun; have an introduction to the solar system and exploration of Earth's orbit around the Sun; and learn about the order of the planets, Earth's orbit, and its impact on seasons and day/night cycle. As scientists, in Autumn 2, children will describe the life cycles of farmed plants and animals, and describe the differences between the life cycles of mammals, birds and fish. As scientists we will be exploring the Classifying Critters . Children will already have learned that there are two main kingdoms and that the animal kingdom can be subdivided into vertebrates and invertebrates and what this means. There are five kingdoms of living things which will be explored during this unit. Here they will explore the kingdoms not yet encountered, such as fungi and microbes.
Art	**Computing**	**DT**	**French**
Taught in Spring & Summer Terms	As **computer scientists** we will be learning to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them. We will develop our data handling skills by using information to control sensors on a microbit to create our own digital assistants.	Oak Class will be exploring ancient Greece through the medium of bread! We will investigate and evaluate bread products according to their characteristics. We will also learn how bread products are an important part of a balanced diet and can be eaten in different ways. Most importantly, we are going to make our own Ancient Greek inspired bread.	As linguists we will be learning how to speak, write and hear: - Core vocabulary and phonetics. - Verbs and Grammar

Geography

As explorers Oak Class will go on a voyage of discovery to South America where chocolate was first invented as they learn about the countries, culture and geography of this fascinating continent. They will learn about the climate, the geographical features, the industries and the people of South America through a range of fun activities, giving them an insight into how life in South America is different to life here in the UK. They will research and explore the impact humans have had on the rainforest and climate change.

History

Oak Class will learn all about the amazing ancient civilisation of the Greeks. By the end of the term Oak class will be able to answer in detail the question, 'Who were the ancient Greeks?' They will first learn about the different periods of ancient Greece, and place the civilisation in time. They will explore how the different areas of Greece were governed, and compare the two city-states of Athens and Sparta. Children will use primary and secondary sources to find out about the daily life of the ancient Greeks, before exploring Greek mythology and the impact of some of the great philosophers of the time. The children will learn about the different class structures and reflect on how this impacted people in Ancient Greece. Finally, Oak class will reflect on how the ancient Greek civilisation still influences modern life today, including how the Olympic Games have changed since they were first held in Ancient Greece.

Music

In autumn 1, as musicians we will be learning about 'Living on a Prayer, by Bon Jovi' - a six-week Rock Unit of Work focused around one song. Children will learn about the differences between pulse, rhythm and pitch and to learn how to sing and enjoy it in its original form. Children will learn to Listen & Appraise music, take part in Warm-up Games, Flexible Games, and compose music with a variety of musical instruments.

During the autumn 2 our main musical focus will be on the KS2 Christmas Performance! We will learn, and master, numerous hymns, whilst also keeping our finger on the pulse of current festive songs.

PE

As athletes, in autumn 1, we will be: developing our fitness through circuit training; and Beactive will focus on Tag rugby, developing our skills and tactics to apply to the game.

In autumn 2, as athletes we will be: using balance, agility and coordination skills to become expert hockey players! We will be applying the skills we learn to the principles of attacking and defending, such as finding space when attacking and denying a player space when defending. The defensive skills of marking and tackling will also be covered, as well as shooting and the importance of fitness in hockey; and we will also be practising our skills as gymnasts.

PSHE

Being Me in My World

As good citizens we will be:

· Understanding being part of a class team.
· Learning about being a school citizen.
· Learning about rights, responsibilities and democracy.
· Understanding rewards and consequences.
· Learning how to make group decisions.
· Understanding how to have a voice.
· Learning what motivates our behaviour.

Celebrating Differences

As good citizens we understand that, sometimes, we make assumptions based on what people look like and to look at what influences me to make assumptions on what people look like.

RE

In this RE topic we will be learning about 'How do worship and community shape Jewish life?' We will be taking a deep dive into: some of the key features of worship in Judaism; understanding the significance of prayer; the meaning of Jewish rituals; and how belonging to a faith community affects your actions.

In autumn 2 we will be answering the question 'What is a Church?' We will be learning about the Christian place of worship and exploring other elements of the Christian faith through this lens.

Trips & Activities

Year 5 Residential

The year 5s will be going on a wonderful trip to Juniper Hall where they will learn more about nature.

Historical crew workshops

We will be taking part in a workshop that will transport us to Ancient Greece! This will help us develop our understanding of the Ancient Greeks.

Kew Riverside Sparkle at Barn Church

Every year, we like to show off our singing skills and get festive with our KS2 Carol concert. This allows friends and family to enjoy a sparkly performance with shining stars.

Richmond Synagogue

KS2 will visit the synagogue to learn about the sabbath and Jewish festivals

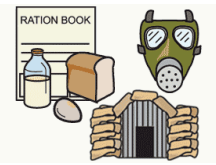
Children at the heart of everything we do

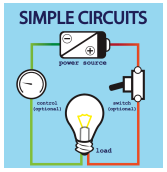
Oak Class (Y5/6) Curriculum Map: Spring Cycle A

Spring Themes

Electricity

Electricity is a flow of charged particles. An important form of energy, electricity powers things around us. We use it every day in our homes to power lights, TVs, computers, fridges, and ovens. Oak Class will explore and experiment with how we can use electricity.





World War 2

From 1939 to 1945, the lives of countless individuals were forever changed as they faced the challenges of war. Our history lessons will dive deep into the events of WW2, exploring the bravery of those who stood together in the face of hardship.

English

As authors, in spring 1, the children will be immersed in the text Freedom by Catherine Johnson. Catherine Johnson brings the horrific history of slavery to life in this important piece of historical fiction. This is a brilliant adventure story that manages to give young readers a really important insight into slavery without being so upsetting that it's impossible to read. A very fine balance, masterfully achieved.
The children will be writing a diary entry from the point of view of a slave, newspaper reports about slavery and a persuasive letter.
In spring 2, the children will be immersed in the text GoodNight Mr Tom by Michelle Magorian. Through this high-quality text, the children will write for a variety of purposes. This will include:

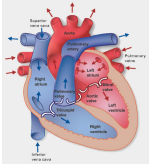
- Writing their own narrative including a flashback.
- Writing a diary entry in the role of one of the characters.
- Create war time poems centred around the Blitz using all their historical knowledge and descriptive language to help.

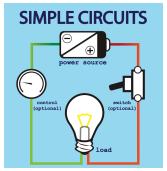
Maths

In spring 1, As Mathematicians we will be: Identifying the value of each digit in numbers given to 3 decimal places and multiply numbers by 10, 100 and 1,000 giving answers up to 3 decimal places; Multiplying 1-digit numbers with up to 2 decimal places by whole numbers; Using written division methods in cases where the answer has up to 2 decimal places; and solving problems which require answers to be rounded to specified degrees of accuracy .
In spring 2, Oak Class will: Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres; calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm^2) and square metres (m^2), and estimate the area of irregular shapes; solve comparison, sum and difference problems using information presented in a line graph; complete, read and interpret information in tables including timetables; illustrate and name parts of circles, including radius, diameter and circumference; interpret and construct pie charts and line graphs and use these to solve problems.

Science

In spring 1, Oak Class will be looking at electricity! The class will have the chance to work with circuits and batteries. They will identify what is needed for electricity to flow effectively and what we can change throughout a circuit. We will also plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.





In spring 2, as scientists children will identify and name the main parts of the human
circulatory system, and describe the functions of the heart, blood vessels and blood. They will also look at how the impact of diet, exercise, drugs and lifestyle can affect the way their bodies function. Children will also be looking at how nutrients and water are transported within animals, including humans.

Art

Oak Class will be learning about Graffiti and discover the many varied forms of art in public spaces. Discussing how street art polarises opinion, when and where it is acceptable, and how it can improve or damage, they develop their

Computing

We start the term, exploring e-safety, through '*Safer Internet week*'. We then return to physical computing, where we will be building the code and using this to program on our own devices to create musical microbits!

DT

Oak class will develop their knowledge of common birds in the UK and what birds need for a safe home. We will learn about and design a birdhouse suitable to nest in; reading and measuring dimensions, planning and

French

As linguists we will be learning how to speak, write and hear:

- Core vocabulary and phonetics.
- How to present ourselves to others.

own ideas for quick, colourful, eye-catching, humorous or satirical pieces of street art through sketching and annotating.		designing products, whilst using woodwork skills and tools to construct a product, and evaluating and promoting a finished product.	- Talk about our daily lives at school - Apply our core vocabulary and grammar
Geography	**History**	**Music**	**PE**
Taught in Autumn & Summer Terms	As historians Oak Class will find out where and when the Battle of Britain took place. What life was like for children in WW2 and how Britain defended herself from attack. Exploring the themes such as rationing and evacuation, we look at this difficult, but resilient, time in British history.	In spring 1, as musicians we will be learning all about Make You Feel My Love a Pop Ballad sung by Adele. All lessons present an integrated approach to music where games, elements of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked. In spring 2, as musicians we will be learning all about The Fresh Prince of Bel-Air by Will Smith. The children will learn to Listen and Appraise other rap songs such as: Fresh Prince Of Bel-Air by Will Smith. Me, Myself And I by De La Soul, Ready Or Not by The Fugees and more. The children will then learn musical games which focus on (pulse, rhythm, pitch etc.) before learning to sing and play instruments all linked to this style of music.	In spring 1, as athletes we will be using balance, agility and coordination skills to become gymnasts! In spring 2, as athletes we will be playing tennis! We will be working on the fundamental skills needed to play a mixture of different shots and techniques while using our knowledge of running, jumping and moving to perform these. We will be learning how to serve, return shots, volleys and how we can make the ball spin. We will be working on these shots in groups and in match settings. Throughout the spring term, we will also be praticing our swimming skills with the trained professionals at Pools on the Park in Richmond.
PSHE	**RE**	**Trips & Activities**	*Children at the heart of everything we do*
In spring 1, as citizens with dreams and goals we will be: learning about my strengths and setting challenging but realistic goals for myself. In spring 2, as healthy citizens, we will be: learning to take responsibility for my health and make choices that benefit my health and well-being; learning about different types of drugs and their uses and their effects on the body particularly the liver and heart.	As philosophers we will be taking part in a World Religion day where we learn all about the 6 faiths and the humanistic views. Following this, we will be learning all about Islam, the key teachings and the Qur'an and how Muslim children learn about the Qur'an.	Swimming Lessons Science Workshops Holly Lodge Sheen Air Raid Shelter visit	

Oak Class (Y5/6) Curriculum Map: Summer Cycle A

Summer Themes	English	Maths	Science
Our Local Area As Geographers, Oak Class will find out about the human and physical features of our local area Kew. They will consider the economic activity, land use, settlements, climate, upland areas and England's longest rivers. The children will conduct Geographical fieldwork to explore these areas of Kew. 	In the summer tem, alongside the Year 6s completing their preparations for the KS2 SATS, children will be studying the film clip Eye of the Storm. The film clip tells the story of an anonymous airship pilot, whom we see in a very dark, simplified form deciding in his melancholy to steer his airship into a massive (and possible ether-driven) storm. Throughout the video we see him preparing his craft, setting it on "autopilot", and saying goodbye to his one companion - a dragon. The children will study the film clip to write their own story including a flashback and a diary entry in the role as the pilot. 	During the summer term we will be making sure our year 6s are ready for their SATs. Alongside this we will be learning to: understand and use degrees; classify and estimate angles; measure angles up to 180 degrees; draw lines & angles accuratel; calculate angles around a point and on a straight line; measure lengths and angles in shapes; and recognise regular and irregular polygons, and 3d shapes. We will also explore position and direction through; reading and plot coordinate; problem solving with coordinate; using translation with coordinates; lines of symmetry; and reflection in horizontal and vertical lines. Finally, we will look at measurements: convert between different units of metric measure [for example, km and m; cm and m; cm and mm; g and kg; l and ml]; understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints; and estimate volume [for example using 1cm3 blocks to build cuboids (including cubes)] and capacity.	In summer 1, as scientists the children will be looking at Forces where we will: explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object; identify the effects of air resistance, water resistance and friction, that act between moving surfaces; and recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. During summer 2, as scientists we will be looking at Relationships Education. Children will be confident to talk about their bodies, using correct terminology. They will be confident to talk about the changes their bodies go through as they grow and have a clear idea about positive and healthy relationships (including online relationships). Some of our learning will focus on: understanding that my body will change as I become an adult; understanding that different changes happen to males and females; and identifying some physical differences between child and adult bodies

Art	Computing	DT	French
As artists, Oak class will be learning about the Swiss sculptor and painter Alberto Giacometti. Giacometti is famous for his elongated and narrow figures that have a very distinct look. We will be looking at his long, thin sculptures. We will be creating our own pieces of art by using wire, newspaper and Modroc to cover the figure.	Looking at content, design and usability, we explore what makes a strong website. We then use Google Sites to create our own themed Website.	Taught in Autumn & Spring Terms	As linguists we will be learning to: - Talk about the weekend. - Our core vocabulary and grammar.
Geography	**History**	**Music**	**PE**
As Geographers, Oak Class will find out about the human and physical features of our local area Kew. They will consider the economic activity, land use, settlements, climate, upland areas and England's longest rivers. The children will conduct Geographical fieldwork to explore these areas of Kew.	The children will build on prior knowledge of World War 2, to study the aftermath on the country. Looking at the difficulties of the rebuild, the new initiatives that were started such as the NHS, together with the reasons for, and effects of, migration from Caribbean countries after the Second World War. They will Identify some of the challenges faced by the people of the Caribbean as they arrived and tried to settle in Britain. Along the way they will learn about the contributions figures of African and Caribbean descent made to Britain.	As musicians all our learning will be focused around one song: Dancing In The Street by Martha And The Vandellas. The children will learn to Listen and Appraise other Motown songs such as: I can't Help Myself sung by The Four Tops, I Heard it Through the Grapevine by Marvin Gaye, Ain't No Mountain High Enough by Marvin Gaye and Tammi Terell and more. The children will then learn musical games which focus on (pulse, rhythm, pitch etc.) before learning to sing and play instruments all linked to this style of music. Then in summer 2, we will be focussing our creative time on our UKS2 production! Previous years have included Aladdin, The Greatest Showman and Moana. 	In summer 1, as athletes we will be playing cricket where children will show understanding of rules and boundaries and using different techniques in game situations. Pupils will also learn the techniques of bowling overarm, picking up a ball one handed from the floor, throwing underarm, and protecting themselves from being struck by a ball. During summer 2, as athletes we will learn to play basketball! In this unit pupils will develop key skills and principles such as defending, attacking, throwing, catching, dribbling and shooting. Pupils will learn to use attacking skills to maintain possession as well as defending skills to gain possession. Pupils will be encouraged to work collaboratively to think about how to use skills, strategies and tactics to outwit the opposition. They develop their understanding of the importance of fair play and honesty while self-managing games, as well as developing their ability to evaluate their own and others' performances.
PSHE	**RE**	**Trips & Activities**	*Children at the heart of everything we do*

As good citizens we will be: Learning that it is important to take care of my mental health. Learning how to take care of my mental health. Understanding that there are different stages of grief and that there are different types of loss that cause people to grieve. Recognising when people are trying to gain power or control. Judging whether something online is safe and helpful for me. Using technology positively and safely to communicate with my friends and family.	As philosophers we will be learning about Sikh worship and community. Oak Class will build on their existing understanding of this major world religion. Focusing on worship and beliefs, they will find out how Sikhs remind themselves of the guiding principles of Sikhism, their commitment to their faith, and the role of Sikhs within their own, and wider, communities. 	Secondary School Labs Science at Richmond Park Academy - Electricity Workshop Year 6 Residential to PGL National Army Museum Bikeability	

Oak Class (Y5/6) Curriculum Map: Autumn Cycle B

Autumn Themes

The Victorians

As historians, children will journey back to the Victorian era, to learn about one of the most important and fascinating periods in British History.

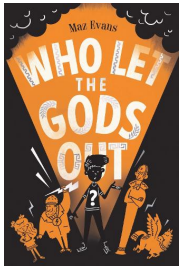
The children will learn all about various aspects of Victorian history, including leisure, health and disease, the Industrial Revolution, inventions and, of course, the life of Queen Victoria herself!

North America

During this topic the children will voyage across the Atlantic as they discover the continent of North America and all its amazing countries, cities and landscapes with this North America. The class will identify the 23 countries of North America, from the vast lands of the USA and Canada down through Central America and on to the Caribbean islands. On the way they will explore the various geographical features of different areas of North America and compare them with their own locality.

English

In Autumn 1, Oak Class will be reading the incredible 'Who Let The Gods Out', which is linked to our History in cycle A. We will be writing for a variety of purposes: Children will write their own narrative chapter of the text. and develop their persuasive writing skills by writing a persuasive letter to the king of the gods - Zeus.

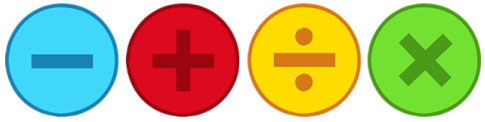


Come Autumn 2, the children will write a discursive text based on the timeless play 'Hamlet'.

In the lead up to Christmas, Oak class will delve into the festive world of *The Snow Sister* written by Emma Carroll as they write their own news report based on the classic novel.

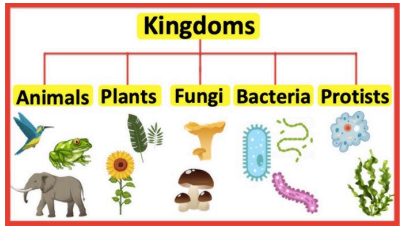
Maths

As Mathematicians we will be: understanding about Number and place value within numbers to 1 million/10 million. Including learning our roman numerals, counting, rounding, comparing and ordering and negative number; understanding addition and subtraction with up to 6 or more columns and multiple exchanges, solving inverse operations and multi-step addition and subtraction problems/adding and subtracting whole numbers; understanding Multiplication and Division up to multiplying 4-digits by 2-digits and multiplying and dividing by: 10, 100 and 1,000; understanding Multiplication and Division and the associated facts, factors, prime, squared and cubed numbers. Be able to multiply and divide by 10,100,1,000; identifying, naming and writing equivalent fractions of a given fraction, represented visually, including tenths and hundredths (Y5); using common factors to simplify fractions; and use common multiples to express fractions in the same denomination (Y6).



Science

As scientists, in Autumn 1, children will describe how plants and animals reproduce. We will be exploring a plethora of **living things**. Children will already have learned that there are two main kingdoms and that the animal kingdom can be subdivided into vertebrates and invertebrates and what this means. There are five kingdoms of living things which will be explored during this unit. Here they will explore the kingdoms not yet encountered, such as fungi and microbes.



During Autumn 2, Oak Class will be exploring **evolution & inheritance.** In this unit of learning children will recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. Children will also recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. They will identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

Art

Taught in Spring & Summer Terms

Computing

As **computer scientists** we will be learning to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them.
We will develop our data handling skills by using information to control sensors on a microbit to create our own digital assistants.

DT

As design technicians children will create their very own Victorian wooden peg dolls. Children will begin by researching dolls from the Victorian era and evaluating them. Children will then design their own peg doll, thinking carefully about the clothes and fashion from the time period before creating their own doll.

French

As linguists we will be learning how to speak, write and hear:

- Core vocabulary and phonetics.
- Verbs and Grammar

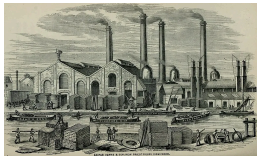
Geography

As explorers, Oak Class will go on a voyage of discovery to North America. During this topic the children will voyage across the Atlantic as they discover the continent of North America and all its amazing countries, cities and landscapes with this North America. The class will identify the 23 countries of North America, from the vast lands of the USA and Canada down through Central America and on to the Caribbean islands. On the way they will explore the various geographical features of different areas of North America and compare them with their own locality.

History

As historians, Oak Class will learn all about the amazing civilisation of the Victorians. By the end of the term Oak class will be able to answer in detail the question, 'Who were the Victorians?'As historians, children will journey back to the Victorian era, to learn about one of the most important and fascinating periods in British History.

The children will learn all about various aspects of Victorian history, including leisure, health and disease, the Industrial Revolution, inventions and, of course, the life of Queen Victoria herself!



Music

During the autumn term our main musical focus will be on the KS2 Christmas Performance! We will learn, and master, numerous hymns, whilst also keeping our finger on the pulse of current festive songs.

In autumn 2, as musicians we will be learning all about Jazz!

This Unit of Work builds on the improvisation skills learnt in Classroom Jazz 1. Using two new pieces:

Bacharach Anorak and Meet The Blues

We will learn to play the pieces and then explore improvising with the repertoire.

Children will listen to and appraise a variety of jazz music, play instruments and perform and share their music.

PE

As athletes, in autumn 1, we will be:

- developing our swimming skills during our swimming sessions.
- Beactive will focus on Tag rugby, developing our skills and tactics to apply to the game.

In autumn 2, as athletes we will be using balance, agility and coordination skills to become gymnasts and footballers! We will be learning how to dribble with the ball, as well as to pass and receive. We will be applying the skills we learn to the principles of attacking and defending, such as finding space when attacking and denying a player space when defending. The defensive skills of marking and tackling will also be covered, as well as shooting and the importance of fitness in football.

PSHE	RE	Trips & Activities	*Children at the heart of everything we do*
Being Me in My World As good citizens we will be: · Understanding being part of a class team. · Learning about being a global citizen. · Learning about rights, responsibilities and democracy. · Understanding rewards and consequences. · Learning how to make group decisions. · Understanding how to have a voice. · Learning what motivates our behaviour. **Celebrating Differences** As good citizens we understand that, sometimes, we make assumptions based on what people look like and to look at what influences me to make assumptions on what people look like.	**Hinduism** As theologians, the children will be learning about Hindu concepts using stories in an exciting and engaging way. Children will learn all about who Hindus worship and the different forms their God, Brahman, can take, whilst also giving the children the chance to think about how Hindu teachings relate to their own lives.	Juniper Hall - Year 5 Residential Westminster Abbey - Whole Class Trip Victorian Workshops Black History Month Swimming Lessons	

Oak Class (Y5/6) Curriculum Map: Spring Cycle B

Spring Themes	English	Maths	Science
Ancient Mayans As **historians**, the children will learn to explore where and when the remains of the Mayan ruins were discovered and investigate how the Mayan civilization developed over time. They will discover how the Maya organised themselves into powerful city-states, examine the religious beliefs that shaped their culture, and gain insight into everyday life for Mayan people. The children will also explore Mayan writing systems and their complex calendars, before considering the factors that contributed to the decline of this remarkable civilisation. 	As authors, the children will explore *The London Eye Mystery* by Siobhan Dowd, developing reading comprehension and analytical skills. They will write in role, producing a diary and a newspaper report, practising Year 5 and 6 skills such as cohesive paragraphs, precise grammar and vocabulary, subheadings, second person and personal pronouns, facts and statistics, adverbials, modal verbs, punctuation for parenthesis, bullet points, and the use of active and passive voice. In Spring 2, the focus will shift to *War Horse*, where the children will write narratives with flashbacks and elements of poetry, continuing to refine their creative writing, descriptive language, and narrative techniques using the same range of grammar, punctuation, and stylistic devices.	In Spring 1, as mathematicians, we will identify the value of digits in numbers to three decimal places, multiply numbers by 10, 100, and 1,000, multiply 1-digit numbers with up to 2 decimal places by whole numbers, use written division with answers to 2 decimal places, and solve problems requiring rounding to specified degrees of accuracy. In Spring 2, Oak Class will measure and calculate the perimeter of composite shapes, calculate and compare areas of rectangles and irregular shapes using standard units, solve comparison and difference problems from line graphs, interpret tables and timetables, identify parts of circles including radius, diameter, and circumference, and construct and interpret pie charts and line graphs to solve problems.	In Spring 1, Oak Class will explore how light travels in straight lines and how reflection changes its direction. They will investigate how opaque objects create shadows, observing their shapes and how they change size as the light source moves, and learn that shiny objects appear bright because they reflect light In spring 2, as scientists, the children will study forces, learning how gravity causes unsupported objects to fall, how friction and air or water resistance affect movement, and how levers and pulleys allow a smaller force to have a greater effect
Art	**Computing**	**DT**	**French**
As **artists**, the children will learn to explore the visual elements and symbolism found in North American flags, using these as inspiration for their own creative work. They will plan and experiment with deconstruction and abstraction in flag-inspired designs on paper, before developing **printing** skills using foam boards and inks to create prints on fabric. Through the thoughtful use of pattern, colour, and symmetry, the children will enhance their printed compositions, and will reflect on and evaluate the effectiveness of their final designs.	As **digital citizens**, the children will learn what fake news is, why it is created, and how it can influence people online. They will develop skills to critically analyse sources and apply their knowledge through real-world examples to make safer, more informed decisions online. As computer scientists, the children will learn to understand and use variables in their programs. They will create algorithms, such as a step-counter, explore random number variables, and write, test, and debug their own Micro:bit programs, developing problem-solving skills and confidence in coding.	As **designers** and **engineers**, the children will explore how fairground rides move by investigating real examples and experimenting with electrical motors, pulleys, and circuits. They will create simple prototypes to test stable structures before designing and making their own ride with a rotating part. Finally, they will evaluate their finished product, considering how well it works and how it could be improved.	As **linguists**, the children will develop their confidence and fluency in French by learning to talk about families and the weather. They will build key vocabulary to describe family members, relationships, and simple personal details, and practise constructing full sentences with increasing accuracy. The children will also learn to understand and express different types of weather, using this knowledge to create spoken and written phrases. Through engaging activities, songs, and dialogues, they will strengthen their listening, speaking, reading, and writing skills, becoming more independent and capable young language learners.

Geography	History	Music	PE
As **geographers**, children will explore the different countries and regions of the UK, learning what makes each area special. They will discover the landscapes, cities, landmarks, and traditions that make each place unique and compare similarities and differences across the UK. As part of their learning, pupils will use maps, atlases, and fieldwork skills to observe and record geographical features, helping them develop a deeper understanding of the world around them. This exciting unit links directly to the UKS2 Geography curriculum, giving children the chance to explore, investigate, and understand their country in new ways.	As **historians**, the children will learn to explore where and when the remains of the Mayan ruins were discovered and investigate how the Mayan civilisation developed over time. They will discover how the Maya organised themselves into powerful city-states, examine the religious beliefs that shaped their culture, and gain insight into everyday life for Mayan people. The children will also explore Mayan writing systems and their complex calendars, before considering the factors that contributed to the decline of this remarkable civilisation.	Spring 1 As **musicians** we will be learning all about Benjamin Britten's Friday Afternoons: A New Year Carol. We will have opportunities to research Benjamin Britten's life and to listen to many of his other works through links to Fridayafternoonsmusic.co.uk. Spring 2: As **musicians** Oak Class learning will be focused around one song: You've Got A Friend by Carole Kin.The children will listen and appraise a variety of songs by the same musician. The children will have fun playing warm-up (pulse, rhythm and pitch) games . Before learning to play instruments along with the music.	In spring 1,as **athletes**, the children will develop their **gymnastic** skills, focusing on balance, agility, power and using these to perform different techniques. Alongside this, Oak Class will be working on their fitness through a variety of different circuits. In spring 2, as **athletes** we will be playing **tennis**! We will be working on the fundamental skills needed to play a mixture of different shots and techniques while using our knowledge of running, jumping and moving to perform these. We will be learning how to serve, return shots, volleys and how we can make the ball spin. We will be working on these shots in groups and in match settings.
PSHE	**RE**	**Trips & Activities**	*Children at the heart of everything we do*
In spring 1, as **citizens** with dreams and goals we will be: learning about my strengths and setting challenging but realistic goals for myself. In spring 2, as **healthy citizen**s, we will be: learning to take responsibility for my health and make choices that benefit my health and well-being; learning about different types of drugs and their uses and their effects on the body particularly the liver and heart.	As **philosophers**, the children will learn who Buddha was and why he is significant to Buddhists today. They will explore core Buddhist beliefs and teachings, including the Four Noble Truths, the Eightfold Path, and the ideas of karma and rebirth. The children will also investigate where and when Buddhists worship, developing an understanding of the practices, rituals, and symbolism that play an important role in Buddhist faith and daily life.	Trip to Holly Lodge (Victorians Workshop) – 16th January NSPCC Numbers Day – 6th February Year 6 – Bikeability 2nd March Year 6 – Holly Lodge (Junior Citizens) – 12th	

Oak Class (Y5/6) Curriculum Map: Summer Cycle B

Summer Themes

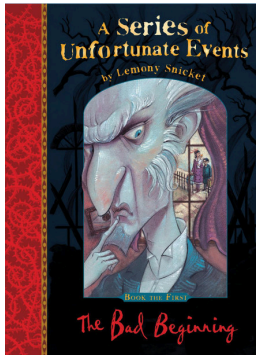
Change, place and influence
This summer term, Oak Class will explore themes of **change, place and influence** across both geography and history. As geographers, they will investigate their local area, learning how it functions and has changed over time, including trade, industry and settlement. As historians, they will study the reign of **Elizabeth I**, exploring her achievements and the impact she had on Britain's development. Together, these topics will help children understand how places and societies evolve over time and how past events continue to shape the world we live in today.

English

In the summer term, alongside the Year 6s completing their preparations for the KS2 SATS, children will be completing a range of writing outcomes.

Oak Class will develop their writing skills across a range of genres. Using ***A Series of Unfortunate Events*****,** they will write narrative retellings and diary entries, exploring character, setting and plot.

They will also write a biography about **David Attenborough**, learning to present factual information clearly and engagingly. In addition, children will write up their science experiments, recording and explaining their findings. Through these activities, they will build confidence in writing for different purposes and audiences.



Maths

During the summer term we will be making sure our year 6s are ready for their SATs. Alongside this we will be learning to: understand and use degrees; classify and estimate angles; measure angles up to 180 degrees; draw lines & angles accurately; calculate angles around a point and on a straight line; measure lengths and angles in shapes; and recognise regular and irregular polygons, and 3d shapes.

We will also explore position and direction through; reading and plot coordinate; problem solving with coordinate; using translation with coordinates; lines of symmetry; and reflection in horizontal and vertical lines.

Finally, we will look at measurements: convert between different units of metric measure [for example, km and m; cm and m; cm and mm; g and kg; l and ml]; understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints; and estimate volume [for example using 1cm3 blocks to build cuboids (including cubes)] and capacity.

Science

In summer 1, as scientists, Oak Class will explore the **properties and changes of materials**, investigating how different substances behave and can be used for different purposes. They will learn about materials such as solids, liquids and gases, and deepen their understanding of substances, solutions and solutes. Through practical investigations, children will observe, compare and test materials, developing their scientific enquiry skills and understanding of how materials can change.

During summer 2, as scientists we will be looking at Relationships Education. Children will be confident to talk about their bodies, using correct terminology. They will be confident to talk about the changes their bodies go through as they grow and have a clear idea about positive and healthy relationships (including online relationships).

Some of our learning will focus on: understanding that my body will change as I become an adult; understanding that different changes happen to males and females; and identifying some physical differences between child and adult bodies.

Art

As artists, Oak class will explore **recycled art**, learning how everyday and recycled materials can be transformed into creative artwork. They will investigate how artists use colour, texture and design to create pieces from items that might otherwise be thrown away. Children will experiment with combining different materials and techniques to design and make their own recycled art, developing their creativity, imagination and understanding of sustainable art practices.

Computing

As computer scientists, Oak Class will be using technology to revisit and strengthen their key computing skills. They will explore **technology-enhanced learning**, applying their knowledge across different activities. Children will also learn about **spreadsheets**, using them to organise, sort and present data in different ways. Through these tasks, they will build confidence in handling information and using digital tools effectively.

DT

As design technicians, Oak Class will explore **mechanisms**, learning how pulleys and levers work through investigation and practical activities. They will use their knowledge to design and build a fairground ride, incorporating simple electrical components. Children will also develop their **CAD (computer-aided design)** skills to plan and create their ideas. Through designing, making and evaluating, they will build their understanding of how mechanisms can be used to create moving, working models.

French

As linguists we will be learning to:

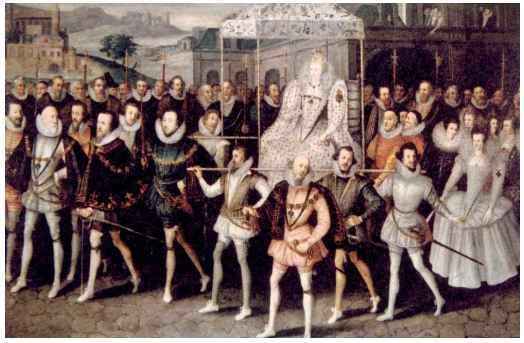
- Sports
- School
- Our core vocabulary and grammar.

Geography

As Geographers, Oak Class Class will explore how our local area works and how it has changed over time. They will investigate local economic activity, including trade, industries and types of settlement, to understand how and why places develop. Children will look at how people use the land and how the area has changed, building their understanding of human geography and the links between people, places and the environment.

History

As historians, Oak Class will explore the key achievements of Elizabeth I during her reign. They will learn about her role as a monarch and investigate important events and developments from this period, including achievements in culture, exploration and defence. Children will also look at how the country changed and succeeded during her reign, helping them to understand the impact of Elizabeth I on Britain's history.



Music

As musicians, Oak Class will explore **Music & Me**, learning about inspirational women working in music and the importance of gender equality in the industry. They will listen to a range of music, discuss different styles and artists, and consider how music can inspire and express identity. Through performing, listening and appraising, children will develop their musical skills while celebrating the achievements of influential women in music.

Then in summer 2, we will be focussing our creative time on our UKS2 production! Previous years have included Aladdin, The Greatest Showman and Moana.

PE

In summer 1, as athletes we will be playing cricket where children will show understanding of rules and boundaries and using different techniques in game situations. Pupils will also learn the techniques of bowling overarm, picking up a ball one handed from the floor, throwing underarm, and protecting themselves from being struck by a ball.

During summer 2, as athletes we will learn to play basketball! In this unit pupils will develop key skills and principles such as defending, attacking, throwing, catching, dribbling and shooting. Pupils will learn to use attacking skills to maintain possession as well as defending skills to gain possession. Pupils will be encouraged to work collaboratively to think about how to use skills, strategies and tactics to outwit the opposition. They develop their understanding of the importance of fair play and honesty while self-managing games, as well as developing their ability to evaluate their own and others' performances.

PSHE	RE	Trips & Activities	*Children at the heart of everything we do*
As good citizens we will be: Learning that it is important to take care of my mental health. Learning how to take care of my mental health. Understanding that there are different stages of grief and that there are different types of loss that cause people to grieve. Recognising when people are trying to gain power or control. Judging whether something online is safe and helpful for me. Using technology positively and safely to communicate with my friends and family.	As philosophers, Oak Class will explore the question: *How do beliefs help people in our community?* The children will learn about the diversity of religions and beliefs within our community and how these can influence people's lives, choices, and values. Through discussion and activities, they will develop respect and appreciation for different beliefs, supporting their understanding of diversity and belonging. In addition, we will explore the question: *How do people express their faith through the arts?* Children will discover how thoughts, feelings, and beliefs are expressed through art, music, and other creative forms. They will explore how different faiths share their ideas in creative ways and have opportunities to reflect and express their own ideas. 	Year 6 SATs Year 6 Residential!	