**Yearly Curriculum Overview**

Year group:- 5

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|  | **Autumn 1**  | **Autumn 2** | **Spring 1**  | **Spring 2** | **Summer 1**  | **Summer 2** |
| **TOPICS** | Brazil and the Amazon Rainforest - GeographyMaterials - Science | Gunpowder, Treason and Plot - History Materials - Science  | Ancient Egypt - History Forces – Science  | Space - Science Anglo Saxons - History   | USA - Geography Animals, including humans - Science  | WW2 – History Living things and their habitats -Science |
| **Driver Question** | Why are rainforests so important?  | Should gunpowder, treason and plot ever be forgotten?  | Does your mummy live in a pyramid?  | Will we ever send another man to the moon?  | What’s so special about the USA?  | Will there ever be a WW3?  |
| **English** | Explorer – Katherine Rundell The Vanishing Rainforest – Two Brothers and a Chocolate Factory - Jess Mikhail and Juliet Clare Bell Non-chronological reports RecountBiographies Creative writing  Home Learning – Class Dojo/ Oak Academy  | Black Powder – Ally Sherrick  Short Histories: Mr Fawkes, the King and the Gunpowder PlotBook by Tom Bradman and Tony Bradman Newspaper reports Poetry - HaikuStories with historical settingsCreative writing   Home Learning – Class Dojo/ Oak Academy  | The Time-Travelling Cat and the Egyptian Goddess – Julia JarmanThe discovery of TutankhamunA Pocket Guide to Ancient Egypt Biography Play ScriptExplanation text   Home Learning – Class Dojo/ Oak Academy  | Cakes in Space – Philip Reeve The Silly Solar System- Kevin PriceTim Peake – ‘Hello this is planet Earth’ Traditional tales  Narrative poem Information textCreative writing Home Learning – Class Dojo/ Oak Academy   | The Accidental President – Tom MclaughlinThe 50 States: Explore the U.S.A -Gabrielle Lineo Travel Brochure Leaflets  Persuasive letterPoetry – Sonnet Home Learning – Class Dojo/ Oak Academy  | Catching Falling Stars – Karen McCrombie The Diary of Anne Frank – Anne Frank  Diary entry  Adverts Poetry – Blackout poetryCreative writing Home Learning – Class Dojo/ Oak Academy   |
| **Maths** | **Place Value**Count forwards or backwards in steps of powers of 10 for any number up to 1 000 000.  **Addition and Subtraction (2 weeks approx.)** Add and subtract numbers mentally with increasingly large numbers. **Multiplication and Division (1 week approx.)** Multiply and divide numbers mentally drawing upon known facts. **Multiplication and Division (2 weeks approx.)** Identify multiples & factors;  Multiply and divide whole numbers and those involving decimals by 10, 100 & 1000.  **Statistics (1 week approx.)** Count forwards or backwards in a variety of steps up to 1 000 000.  **Assess and Review (1 week approx.)** Home Learning – Oak Academy/ BBC Bitesize/ TTRS and Class Dojo  | **Division (2 days approx.)** Identify multiples & factors; find factor pairs of a number.  **Fractions, Decimals and Percentages (8 days approx.)** Count forwards or backwards in a variety of steps (including fractions and their equivalents) **Fractions, Decimals and Percentages (1 week approx.)** Read, write, order and compare numbers (with up to three decimal places).   **Measures (1 week approx.)** Multiply and divide whole numbers and decimals by 10, 100 & 1000.   **Geometry (2 weeks approx.)** Add and subtract numbers mentally with increasingly large numbers; Multiply and divide numbers mentally drawing upon known facts. **Assess and Review (1 week approx.)** Home Learning – Oak Academy/ BBC Bitesize/ TTRS and Class Dojo       | **Place Value (3 days approx.)** Read, write, order and compare numbers with up to three decimal places.   **Addition and Subtraction  (1 week approx.)** Count forwards or backwards in a variety of steps.  **Properties of Multiplication & Division (7 days approx.)** Multiply and divide numbers mentally drawing upon known facts.  **Fractions, Decimals and Percentages (1 week approx.)** Identify, name & write equivalent fractions of a given fraction.  **Measures (2 weeks approx.)** Multiply and divide whole numbers and decimals by 10, 100 & 1000.  **Assess and Review (1 week approx.)**  Home Learning – Oak Academy/ BBC Bitesize/ TTRS and Class Dojo   | **Multiplication & Division (1 week approx.)** Identify multiples & factors; find factor pairs of a number; multiply and divide numbers mentally using known facts. **Fractions, Decimals and Percentages (1 week approx.)** Identify, name & write equivalent fractions, decimals and percentages of a given fraction.  **Measures (2 weeks approx.)** Multiply and divide whole numbers and decimals by 10, 100 & 1000.  **Geometry (2 weeks approx.)** Count forwards or backwards in steps of powers of 10 for any number up to 1 000 000; Add and subtract numbers mentally with increasingly large numbers ~compliments to 90, 180, 360.  **Assess and Review (1 week approx.)**  Home Learning – Oak Academy/ BBC Bitesize/ TTRS and Class Dojo  | **Measures/Calculations (1 week approx.,)** Convert between different units of metric measure inc. money (£s & p) **Measure (1 week approx.)** Solve problems involving converting hours to minutes, minutes to seconds, years to months, weeks to days (Y4). **Fractions, Decimals and Percentages (2 weeks approx.)** Identify, name & write equivalent fractions, decimals and percentages of a given fraction Read, write, order and compare numbers with up to three decimal places; Round decimals with two decimal places to the nearest whole number and to one decimal place.  **Statistics (1 week approx.)** Count forwards or backwards in steps of powers of 10 for any number up to 1 000 000.  **Geometry (1 week approx.)** Add, subtract, multiply and divide numbers mentally with increasingly large numbers, drawing upon known facts. **Assess and Review (1 week approx.)** Home Learning – Oak Academy/ BBC Bitesize/ TTRS and Class Dojo  | **Numbers and the number system (1 week approx.)** Count forwards or backwards in a variety of steps up to 1 000 000 (including negative numbers). **Measures (1 week approx.)** Convert between different units of metric measure.  **Fractions, Decimals and Percentages (2 week approx.)** Identify, name & write equivalent fractions, decimals and percentages of a given fraction **Statistics (1/2 week approx.)** Add and subtract numbers mentally with increasingly large numbers; Multiply and divide numbers mentally drawing upon known facts; Identify multiples & factors; find factor pairs of a number. **Assess and Review (2 weeks approx.)** Home Learning – Oak Academy/ BBC Bitesize/ TTRS and Class Dojo   |
| **Science** | **Materials and their properties.**  Why can’t you un-cook an egg? * Properties of materials (grouping)
* Reversible/ Irreversible changes
* Keeping cool – Insulation
* Brighter bulbs –investigating voltage
* Dissolving (solution)
* Separating mixtures
* How do scientists invent new materials?

Home Learning- Kent Primary Resources / Twinkl and Class Dojo  | **Forces**Do you need gravity to play football? * 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
* Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

Home Learning- Kent Primary Resources / Twinkl and Class Dojo  | **Earth and Space** Could we ever live on another planet? * Describe the movement of the Earth, and other planets, relative to the Sun in the solar system
* Describe the movement of the Moon relative to the Earth
* Describe the Sun, Earth and Moon as approximately spherical bodies
* Use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky.

Home Learning- Kent Primary Resources / Twinkl and Class Dojo  | **Animals including humans**What’s happening to my body?  * Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
* Describe the life process of reproduction in some plants and animals.
* Describe the changes as humans develop to old age.

  Home Learning- Kent Primary Resources / Twinkl and Class Dojo  | **Living things and their habitats**Where do butterflies come from?* Can they describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird?
* Can they describe the life process of reproduction in some plants and animals?
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| **Geography** | **Amazon Rainforest** What’s so special about Brazil?Where does chocolate come from?Who lives in the rainforest?How has Brazil changed?What would you do in Rio De Janeiro?How could we protect our rainforests? Who are the Cadbury brothers?How will you design, make and promote your own chocolate bar?Key concepts: NC- Locate the main countries in Europe and North or South America. Locate and name major citiesNC- Describe and understand key aspects of Physical geography Fair/unfair distribution of resources (Fairtrade).NC- Human geography including trade between UK and Europe and ROWDeforestation, map types, equator, tropics, tropical and temperate, layers, cocoa, tribes, Amazon, biomes, adaptations.Home Learning SourceOak Academy/ ClassDojo/ BBC Bitesize |  |  |  | **The USA**What would you ask the President of the USA?Why is New York one of the world’s most visited cities?Who were the original Americans?What can you find out about the sports Americans play?What do you know about the climate of the USA?How can I compare liviing the USA to living in the UK?Key concepts: NC- Locate the main countries in Europe and North or South America. Locate and name major cities.NC-Use the eight points of a compass, four-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world Compare 2 different regions in UK rural/urban. Locate and name the main counties and cities in England.Identify the position and significance of latitude/longitude and the Greenwich Meridian. Linking with science, time zones, night and dayStates, district, presidential, governance, climate, land use, map types, contour, Washington DC,Home Learning SourceOak Academy/ ClassDojo/BBC Bitesize |  |
| **History** |  | **Gunpowder, Treason and Plot*** Why should we remember the 5th of November?
* Why did Guy Fawkes take a sensible or fool-hardy risk?
* Who were the cavaliers?
* Who were the Roundheads?
* How do you know which side were ‘the best’?
* Should the king be put to death?

Key concepts: NC- Changes in an aspect of social history, such as crime and punishment to the presenttreason, rebellion, punishment, royalty, peasants. Home Learning SourceOak AcademyBBC Bitesize | **Ancient Egyptians** * What is a mummy?
* Hieroglyphics and archaeology – How do we know what they are saying?
* Pyramids – What treasures can be found inside?
* Tutankhamun – Who was Tutankhamun?
* Howard Carter’s discovery – How was Tutankhamun discovered?
* Pyramids and mummification - Why did the Ancient Egyptians build pyramids?
* How were mummies made?

Key concepts: NC- The achievements of the earliest civilizations- an overview of where and when the first civilisations appeared and a depth study of Ancient Egypt ancient, traditions, archaeology, religion and worship, civilizations, Early writing systems.Home Learning SourceOak AcademyBBC Bitesize | **Anglo Saxons** * Who were the Anglo-Saxons and how did they influence our life today?
* How did the Anglo-Saxons bring law and order to Britain?
* What evidence do we have today that the Anglo-Saxons were ever here in the first place?
* Which Anglo-Saxon Christian symbols remain with us today?
* Can you create your own Anglo-Saxon art focusing on tessellations?

Key concepts: NC- Britain’s settlement by Anglo- Saxons and scots Rule of law, religion and worship, kingdoms, settlements, invasion, art, Home Learning SourceOak AcademyBBC Bitesize |  | **WW2*** Why did World War 2 start and who was in power?
* Was it only soldiers who were involved in the war?
* What was the Blitz?
* Do you have what it takes to be a soldier in WW2?
* In what ways did the war impact everyday life?
* What happened at Pearl Harbor?
* How did WW2 impact other countries around the world?
* Who was Anne Frank?
* What happened at Auschwitz?

Key concepts: NC- A significant turning point in British HistoryWar and conflict, discrimination, war effort, axis and allies, the military, rationingHome Learning SourceOak AcademyBBC Bitesize |
| **RE** | U2.1 Why do some people believe in God? (Christians, non-religions (humanists)Key Concepts - Beliefs, differences, theism, atheism and agnosticism.Home Learning SourceOak AcademyBBC Bitesize | U2.6-Part 1 What does it mean to be a Muslim in Britain today? (Muslims)Key Concepts -The 5 Pillars of IslamThe significance of the Qur’an, Mecca and prayer.Home Learning SourceOak AcademyBBC Bitesize | U2.7 What matters most to Christians and Humanists?(Christians and Humanists)Key Concepts – morality, values, fairness, freedom, truth, honesty, kindness, peace.Home Learning SourceOak AcademyBBC Bitesize |  U2.2 What would Jesus do?(Christians)Key Concepts – values, love, forgiveness, justice, fairness, generosity greed, moral dilemmas.Home Learning SourceOak AcademyBBC Bitesize | U2.4 If God is everywhere why go to a place of worship?(Christians, Hindus and Jewish people)Key Concepts – Anglican and Baptist churches, orthodox and Reform synagogues, pilgrimage, prayer.Home Learning SourceOak AcademyBBC Bitesize |
| **PSHE** | **Difference and diversity.**Relationships: * Identifying how to listen and respond respectfully to a wide range of people.
* Recognising the differences and similarities between people, but understand everyone is equal.
* Recognising the nature and consequences of discrimination.
* Recognising and challenging stereotypes.

Home Learning SourceOak Academy/ClassDojo | **Bullying Matters**Relationships: * Understanding that their actions affect themselves and others.
* Developing strategies for getting support for themselves or for others at risk.
* Identifying that differences and similarities arise from a number of factors.
* Understanding the nature and consequences of discrimination, teasing, bullying and aggressive behaviour (including cyberbullying, prejudice based language, ‘trolling’). Knowing how to recognise bullying and abuse in all its forms.

Home Learning SourceOak Academy/ClassDojo | **Being responsible**Living in the Wider World* Research, discuss and debate topical issues.
* Identify why rules are needed in different situations.
* Understanding that there are human rights to protect everyone.
* Explore rights and responsibilities, rights and duties at home, school, community and the environment.
* Develop skills to carry out responsibilities.
* Explore how to resolve differences and respect others’ points of view.
* Explore what being part of a community means and how they belong.

Home Learning SourceOak Academy/ClassDojo | **Being Healthy**Health and Wellbeing* Exploring what affects their physical, mental and emotional health.
* Understanding the concept and benefits of a balanced healthy lifestyle.
* Exploring how we make choices about the food we eat.
* Identifying how to make informed choices.
* Developing skills to make their own choices.
* Recognising how images in the media do not always reflect reality.
* Setting simple but challenging goals.
* Exploring what is meant by the term habit and why habits can be hard to change.

Home Learning SourceOak Academy/ClassDojo | **Relationships**Relationships* Recognising what a healthy relationship is.
* Recognising ways in which a relationship can be unhealthy and whom to talk to if they need support.
* Recognising different types of relationship, including those between acquaintances, friends, relatives and families.
* Understanding the true meaning behind civil partnerships and marriage.
* Resolving conflicts.
* Recognising that forcing anyone to marry is a crime.
* Understanding about confidentiality and about times when it is necessary to break a confidence.

Home Learning SourceOak Academy/ClassDojo | **Exploring emotions**Relationships and Health and Wellbeing* Recognising a wider range of feelings in others and how to respond appropriately.
* Recognising that their actions can affect themselves and others.
* Developing strategies to resolve disputes.
* Deepening their understanding of good and not so good feelings.
* Extending emotional vocabulary.
* Exploring the intensity and range of feelings.
* Recognising when they experience conflicting emotions and how to manage these

Home Learning SourceOak Academy/ClassDojo |
| **Art** | Key artistHenri Rousseau Main skill/techniquePainting to show mood and emotion (Texture) SketchingEnd outcomePainting in the style of Henri RosseauHome Learning SourceTwinkl/ClassDojo |  | Main skill/techniquePrinting End outcomePrinting inspired by Ancient Egyptian Hieroglyphics (line) Home Learning SourceTwinkl/ClassDojo | Key artistPeter Thorpe Main skill/techniqueSewing/Quilting (Colour) End outcomeTextile hangingHome Learning SourceTwinkl/ClassDojo |  | Key artistsRoy Lichtenstein/ Andy Warhol  Main skill/techniquePop Art study - Sketching/shading (value) End outcomePop art replica Home Learning SourceTwinkl/ClassDojo |
| **Music** | Unit: Keeping HealthyMusical Focus – BeatHome Learning SourceOak Academy/ClassDojo  | Unit: At The MoviesMusical Focus – CompositionHome Learning SourceOak Academy/ClassDojo | Unit: Our CommunityMusical Focus – PerformingHome Learning SourceOak Academy/ClassDojo | Unit: Solar SystemMusical Focus – ListeningHome Learning SourceOak Academy/ClassDojo | Unit: CelebrationMusical Focus – PerformanceHome Learning SourceOak Academy/ClassDojo | Unit: Life CyclesMusical Focus – StructureHome Learning SourceOak Academy/ClassDojo |

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| **D&T** | **Construction**To design and make a marble run | **Textiles** Make a textile hanging for a space themed bedroom | **Moldable Materials**To make a 3D map of a US state to show their key characteristics |
| **Computing** | Computer systems and networks L1 – system sL2 – computer systems and us L3 – transferring informationL4 – working together L5 – better working together L6 – Shared working  | Flat file databases L1 – creating a paper based databaseL2 – computer databases L3 – Using a database L4 – Using search tools L5 – comparing data visually L6 – databases in real life  | Selection in physical computing L1 – connecting crumbles L2 – comparing output devices L3 – controlling with conditions L4 – starting with selection L5 – Drawing designs L6 – writing and testing algorithms  | Vector drawing L1 – the drawing tools L2 – Creating a vector drawing L3- Being effective L4 – layers and objects L5 – manipulating objects L6 – Get designing  | Selection in quizzes L1 – exploring conditions L2 – selecting outcomesL3 – asking questions L4 - planning a quiz L5 - Testing a quiz L6 – evaluating quiz | Video Editing L1 – What is videoL2 – Identifying devicesL3 – Using a deviceL4 – Features of an effective videoL5 – Importing and editing videoL6 - Video evaluation |
| **PE** | Invasion Game Small sided games / Rules / TacticsHome Learning SourceOak AcademyBBC Bitesize | Gymnastics performances/DanceHome Learning SourceOak AcademyBBC Bitesize | Alternative SportsHome Learning SourceOak AcademyBBC Bitesize | Orienteering / Team buildingHome Learning SourceOak AcademyBBC Bitesize | Striking/ fielding games/tactics Home Learning SourceOak AcademyBBC Bitesize | AthleticsHome Learning SourceOak AcademyBBC Bitesize |
| **Spanish** | Early Start Online**Where do you live?** [**- *"***¿Dónde vives?"](https://www.earlystartonline.com/s201.html)Home Learning SourceOak AcademyBBC Bitesize | Early Start Online**My town** - [*" Mi ciudad"*](https://www.earlystartonline.com/s202.html)Home Learning SourceOak AcademyBBC Bitesize | Early Start Online[**Left or right? *- "****¿A la izquierda o a la derecha?"*](https://www.earlystartonline.com/s203.html)Home Learning SourceOak AcademyBBC Bitesize | Early Start Online[**My school*- "***Mi colegio"](https://www.earlystartonline.com/s204.html)Home Learning SourceOak AcademyBBC Bitesize | Early Start Online[**Have you got a pen? *- "****¿Tienes un boli?"*](https://www.earlystartonline.com/s205.html)Home Learning SourceOak AcademyBBC Bitesize | Early Start Online[**The alphabet*- "***El alfabeto"](https://www.earlystartonline.com/s206.html)Home Learning SourceOak AcademyBBC Bitesize |
| **Parent event** | Y5 Chocolate enterprise event | Year 5 Christmas Production  | Ancient Egypt experience day  | Sewing Workshop  | The Big Bug Hunt  | WW2 experience day  |
| **Learning Skills** | Steps2Summit: Mount AconcaguaGeography Focus | Steps2Summit: Mount AconcaguaSummiteer Focus | Steps2Summit: Mount AconcaguaGeography Focus | Steps2Summit: Mount AconcaguaSummiteer Focus | Steps2Summit: Mount AconcaguaGeography Focus | Steps2Summit: Mount AconcaguaSummiteer Focus |
| **WWF** | Orangutan/ Polar BearWWF Lesson | Orangutan/ Polar BearWWF Lesson | Orangutan/ Polar BearWWF Lesson |