



Girton Glebe Primary School Curriculum Organiser

Year 5 (Willow Class) – Spring 1

Key Skills

History:

- Articulate and organise important information and detailed historical accounts using topic-related vocabulary.

Geography:

- Explain how the topography and soil type affect the location of different agricultural regions.
- Describe how soil fertility, drainage and climate affect agricultural land.
- Use compass points, grid references and scale to interpret maps, including Ordnance Survey maps, with accuracy.
- Research and describe different farming practices in the UK and show these can have positive and negative effects on natural habitats.

Sow, Grow and Farm Growing & Farming in the UK



Key Vocabulary

climate	fertiliser	irrigation
livestock	pesticide	arable
pastoral	synthetic	chemical
zone	nutrient	topography

Key Knowledge

Allotments

Allotments are small pieces of land that individuals can rent to use for growing fruit and vegetables and flowers. The location of allotments in the local environment depends on many factors, including soil quality, drainage, transport links, availability of water and local facilities. The Dig for Victory campaign during WWII encouraged people to grow fruit and veg on open land, increasing the number of allotments by over 70%.

Farming in the UK

Farming is the business of growing crops and rearing livestock. Up to 70% of the land in the UK is used for farming. There are three main types of farming in the UK. These are arable, pastoral and mixed. The type of farming depends on the climate, the quality of the soil and the topography of the area. For example, the flat, nutrient-rich land in the east of England is perfect for arable farming.

Modern farming techniques

Some farmers use modern farming practices, including new machinery, technology and scientific discoveries, to produce more food. Whilst this has increased food production there have also been some negative effects on the environment. These techniques include chemical pesticides, synthetic fertilisers and irrigation technologies.



<p>English: This term, our core text in English will be Stormbreaker (from the Alex Rider series) by Anthony Horowitz. This half term, we will have the opportunity to write:</p> <ul style="list-style-type: none">• Formal and informal letters• Non-chronological reports• Explanation texts• Newspaper reports• Character descriptions <p>Grammar covered:</p> <ul style="list-style-type: none">• Verb tenses (simple, progressive, perfect and perfect progressive)• Adverbs of possibility and modal verbs• Relative clauses• Using commas to clarify meaning• Mixed suffixes and verb prefixes <p>Reading skills covered:</p> <ul style="list-style-type: none">• Discuss the writer's use of language, structure and presentation, considering the impact on the reader.• Identify how language, structure and presentation contribute to meaning.• Draw inferences such as inferring character's feelings, thoughts and motives and justifying inferences with evidence.• Retrieve information from texts.	<p>Science: The topic this half-term will be Properties of Materials.</p> <p>Knowledge covered: Properties of materials; thermal conductivity; absorbency; strength; durability; solubility; electrical conductivity; soundproofing.</p> <p>Skills covered:</p> <ul style="list-style-type: none">• Compare and group everyday materials by their properties, including hardness, solubility, transparency, conductivity (electrical and thermal) and magnetism.• Describe, using evidence from comparative or fair tests, why a material has been chosen for a specific use, including metals, wood and glass.• Within a group, decide which observations to make, when and for how long, and make systematic and careful observations, using them to make comparisons, identify changes, classify and make links between cause and effect.• Explain, following observation, that some substances (solutes) will dissolve in liquid (solvents) to form a solution and the solute can be recovered by evaporating off the solvent. <p>Key vocabulary: Absorbent – To be able to take in or soak up another material Conduct – able to let heat or electricity pass through. Solute – a dissolved substance, such as salt. Solvent – a substance that dissolves a solute, such as water.</p>	<p>Maths: For the first half of this term our focus will be multiplication, division and fractions.</p> <p>We will focus on the following skills:</p> <ul style="list-style-type: none">• Multiplying up to a 4-digit number by 1-digit and 2-digit numbers.• Solving problems with multiplication.• Short division.• Dividing a 4-digit number by a 1-digit number.• Dividing with remainders.• Efficient division.• Multiplying unit and non-unit fractions by integers.• Multiplying mixed numbers by integers.• Calculating fractions of a quantities and amounts.• Using fractions as operators.
---	---	---



<p>Art & DT:</p> <p>This half term our art unit is Line, Light and Shadows. During this unit, which focuses on still life, we will:</p> <ul style="list-style-type: none">• Learn about great artists, including Pablo Picasso and Rembrandt.• Explore shading techniques and looking at how to use different materials to create tonal perspective, light and shade.• Using various techniques to take clear, interesting photographs; pausing before taking a picture; avoiding taking pictures pointing towards a light source; experimenting with close-ups, unusual angles and a range of subjects.• Recording and editing natural forms, animals and landscapes with clarity, using digital photography.	<p>PE:</p> <p>Outdoor PE this half-term will be focused on Basketball (taught by Miss Tweddle).</p> <p>Skills that will be covered:</p> <ul style="list-style-type: none">• Understanding of the attacking and defending principles of invasion games.• Thinking about how to use skills, strategies and tactics to outwit the opposition.• Maintaining possession and moving the ball towards goal to score.• Understanding of the importance of fair play and honesty while self-managing games.• Learning and abiding by key rules, as well as evaluating their own and others' performances. <p>Indoor PE this half term will be focused on Gymnastics.</p> <p>Skills that will be covered:</p> <ul style="list-style-type: none">• Developing balancing, rolling, jumping and inverted movements.• Exploring partner relationships such as canon and synchronisation and matching and mirroring.• Receiving and providing feedback in order to make improvements on their performances.• Developing performance skills considering the quality and control of their actions.	<p>RE</p> <p>This half term we will be exploring Hinduism, focusing on the festival of Holi.</p> <p>In this enquiry the skills developed will be to:</p> <ul style="list-style-type: none">• Discuss and present thoughtfully their own and others' views on challenging questions about belonging, meaning, purpose and truth, applying ideas of their own in different forms including reasoning, music, art and poetry.• Describe and understand links between stories and other aspects of the communities they are investigating, responding thoughtfully to a range of sources of wisdom and to beliefs and teachings that arise from them in different communities.• Explore and describe a range of beliefs, symbols and actions so that they can understand different ways of life and ways of expressing meaning.
---	---	--



French: Taught by Ms Holden (IVC) on Monday afternoons.

We will be continuing to learn French as a modern foreign language this half-term, using **Language Angels** to practise these skills in school. Our next unit will focus on the family and the class will learn to:

- Remember the nouns for family members in French from memory.
- Describe our own or a fictitious family in French by name, age, and relationship.
- Count to 70 in French.
- Understand possessive adjectives better in French ('my' form only).

Computing: Taught by Mr Meachen on Tuesday Afternoons

This half term's unit is titled '**iOffice**'. This is a spreadsheet-based course. Pupils will begin with a recap of basic spreadsheet knowledge gained in Level 1 before moving on to more advanced functions within the app. Their task is to act as movie producers and decide on a style of animated movie to put into production. Working in pairs, pupils will start by inputting and analysing data allowing them to make important production decisions. The class will develop their spreadsheet skills and learn how to successfully use a variety of advanced functions within a spreadsheet

Music: Taught by Mrs Hamilton on a Tuesday afternoon.

This half term our focus will be '**Music of the Americas – Hip Hop & Dance Music**' and will include:

- The Fresh Prince of Bel Air.
- Using voices in different ways – rap.
- Discovering the genre in context and that rap often tells a story.
- Composing within a structure using a pentatonic minor scale.
- Minor tonality.
- Bellissima – Performing memorable riffs and discovering how to structure a groove.
- Texture – how layers of sound form to complete a piece.
- Simple dance beats with bass, chords and repetitive melody.

PSHE:

Through our PSHE scheme, Jigsaw, we will be exploring the theme of "Dreams and Goals" each Thursday this half term.



This topic will cover:

- Dream Lifestyles
- Jobs & Careers
- Dreams and Goals of Other People in Other Cultures
- Rallying Support