

Sherwood Primary School

Key Stage 2 Curriculum Overview

Foundation Subjects

This document provides Staff, Governors and Parents with an overview of the curriculum content taught in Foundation Subjects across Key Stage Two at Sherwood Primary School. Please see our Long Term Curriculum Maps for Key Stage Two that show how each area of learning is woven into our planning across the year.

COMPUTING

Programming

- Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
- Use sequence, selections and repetition in programs; work with variables and various forms of input and output; generate appropriate inputs and predicted outputs to test programs.
- Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs.

Using software and Hardware

- Understand computer networks including in the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration.
- Describe how internet search engines find and store data; use search engines effectively; be discerning in evaluating digital content; respect individuals and intellectual property; use technology responsibly, securely and safely.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

ART AND DESIGN

- Theory and skills - Use experiences, other subjects across the curriculum and ideas as inspiration for artwork.
- Develop and share ideas in a sketchbook and in finished products.
- Improve mastery of techniques.
- Art history - Learn about the great artists, architects and designers in history.

LANGUAGES

- At our school the chosen language is French. Our pupils will be taught to Speak, Read and Write in French. They will also look at the culture of the countries where the language is spoken.

HISTORY

- Britain, Europe and the World throughout time
- Changes in Britain from the Stone Age to the Iron Age.
- Early Civilizations achievements: Ancient Egypt
- The Roman Empire and its Impact on Britain.
- Ancient Greece.
- Britain's settlement by Anglo Saxons and Scots.
- A non- European society that contrasts with British history
- The Viking and Anglo Saxon struggle for the Kingdom of England.
- Historical Studies
- A local history study.
- A study of a theme in British history

MUSIC

Composition and Performance

- Play and perform in solo and ensemble contexts, using voice and playing instruments with increasing accuracy, control and expression.
- Improvise and compose music using the inter-related dimensions of music separately and in combination.
- Listen with attention to detail and recall sounds with increasing aural memory.
- Use and understand the basics of the staff and other musical notations.
- History and appreciation:
- Appreciate and understand a wide range of high-quality live and recorded music from different traditions and from great musicians and composers.
- Develop an understanding of the history of music

PHYSICAL EDUCATION

Games

- Play competitive games, modified where appropriate, such as football, netball, rounders, cricket, hockey, basketball, badminton and tennis, and apply basic principles suitable for attacking and defending.

Gym, Dance and Athletics

- Take part in gymnastics activities.
- Take part in athletics activities.
- Perform dances.
- Take part in outdoor and adventurous activity challenges both individually and within a team.

Swimming: Swimming and water safety: take swimming instruction

DESIGN TECHNOLOGY

Design

- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.
- Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer- aided design.

Make

- Select from and use a wider range of tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately.
- Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

Evaluate

- Investigate and analyse a range of existing products.
- Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.
- Understand how key events and individuals in design and technology have helped shape the world

Technical knowledge

- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.
- Understand and use mechanical systems (to reinforce & extend KS1 content) in their products, extending to gears, pulleys, cams, levers and linkages
- Understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs, buzzers and motors. (Linked to learning in Science)
- Apply their understanding of computing to programme, monitor and control their products

Cooking and nutrition

- Understand and apply the principles of a healthy and varied diet.
- Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques. Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.

GEOGRAPHY

Location knowledge

- Locate the world's countries, with a focus on Europe and countries of particular interest to pupils.
- Locate the world's countries, with focus on North and South America and countries of particular interest to pupils.
- Locate the geographic zones of the world. Understand the significance of the geographic zones of the world.

Place knowledge

- Key geographical features of the countries of the United Kingdom, and understanding how some of these aspects have changed over time.

Human and physical geography

- Describe and understand aspects of:
- Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes and the water cycle.
- human geography, including: settlements, land use, economic activity including trade links and the distribution of natural resources including, food, water supplies minerals and energy.

Investigation

- Use a wide range of geographical sources in order to investigate places and patterns.
- Understand geographical similarities and differences through the study of human and physical geography of a region or area of the United Kingdom (different from that taught at Key Stage 1).
- Understand geographical similarities and differences through the study of human and physical geography of a region or area in a European country.
- Understand geographical similarities and differences through the study of the human and physical geography of a region or area within North or South America.

Field work skills

- Use fieldwork to observe measure and record the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs and digital technologies.
- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.
- Use the symbols and keys (including the use of Ordnance Survey maps) eight points of a compass, four-figure grid references (Years 5-6), to build knowledge of the United Kingdom and the world.