



Year 6 National Curriculum Objectives

Geography

Topics:

Europe including Russia

NC Objectives:

Locate the world's countries, with focus on Europe and countries of particular interest to pupils.

Understand the significance of the geographic zones of the world.

Understand geographical similarities and differences through the study of physical and human geography of a region or area within a European country.

Use maps, atlases, globes and digital computer mapping to locate countries and describe the features studied.

Use the eight-points of a compass, four-figure grid reference, symbols and keys (including the use of Ordnance Survey maps) to build knowledge of the United Kingdom and the World.

Use a wide range of geographical sources in order to investigate places and patterns.

History

Topics:

WWI – Centenary Commemorations
South Down Iron Age Hill Forts

NC Objectives:

Changes in Britain from the Stone Age to the Iron Age

History of interest to pupils.

Art & Design

Topics:

Drawings in chalk and charcoal (+artist)
Collage – ceramic mosaic (+artist)
Screen printing (+artist)
Digital Media –Freeze Frame Media

NC Objectives:

Use experiences, other subjects across the curriculum and ideas as inspiration for artwork.

Develop and share ideas in a sketch book and in finished products.

Improve mastery of techniques.

Learn about the great artists, architects and designers in history.

Music

NC Objectives:

Play and perform in solo and ensemble contexts, using voice and playing instruments with increasing accuracy, control and expression.

Use and understand the basics of the staff and other musical notation.

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.

Design & Technology

Topics:

Food Sources- an event and or individuals
Electrical and Electronics – an event and or individuals
Constructions - an event and or individuals

NC Objectives:

Design:
Use research and develop design criteria to inform the design of an innovative, functional appealing products that are fit for purpose, aimed at particular individuals or group.

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 technology have helped to shape the world.

Technical Knowledge:

Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

Understand and use electrical systems in their product, such as series circuits, incorporating switches, buzzers and bulbs.

Cooking and Nutrition:

Understand and apply the principles of a healthy and varied diet.

Prepare and cook a variety of predominately 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.

Science

Topics:

Living things and their Habitats
Animals including Humans (Healthy Hearts)
Micro-organisms
Evolution & Inheritance
Light
Electricity

NC Objectives:

Biology: Plants:
Look at the function parts of a flowering plants, requirement of growth, water, and transportation in plants, life cycles and seed dispersal.

Animals and Humans:
Look at the human circulatory system.

Evolution and inheritance:
Look at resemblance in offspring.

Look at changes over time.

Look at adaptations to environments.

Look at differences in offspring.

Look at adaptation and evolution.

Look at changes to the human skeleton over time.

All Living Things:
Look at the classification of plants, animals and micro-organisms.

Look at the effect of diet, exercise and drugs.

Physics: Light:

Explain how light appears to travel in straight lines and how this affects seeing and shadows.



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Science

NC Objectives:

Continued...

Physics: Electricity:

Look at circuits, the effect of voltage in cells and the resistance and conductivity of materials

Working Scientifically:

Across all year groups scientific, knowledge and skills should be learning by working scientifically.

PE:

NC Objectives:

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.

Take part in gymnastics activities.

Take part in athletic activities.

Perform dances.

Take part in outdoor and adventurous activity challenges both individually and with a team.

Computing

Topics:

e-safety
Coding

Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.

Use sequences, selections and repetition in programs; work with variable 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, detect and correct errors in algorithms and programs.

Understand computer networks including 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 evaluation digital content; respect individuals and intellectual property; use technology responsible, 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.

Languages:

Topics:

French

NC Objectives:

In the chosen modern language:

- Speak
- Read
- Write

Look at the culture of the countries where the language is spoken

If an ancient language is chosen, read translate and explore the culture of the time.

The Haven VA CE/Methodist Primary School

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