

# Year 5: Term 1

## Land of Hope and Glory

### Science: PROPERTIES AND CHANGES OF MATERIALS.

- Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets
- Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, inc metals, woods, plastic.
- Demonstrate that dissolving, mixing and changes of state are reversible changes.
- Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible including changes associated with burning and the action of acid on bicarbonate of soda.

#### ICT Opportunities Digital Media and Tools

- Explore the variables in a range of simulations and relate to real life applications and situations
- Explain some of the rules behind a simulation and why it was made

#### ICT Opportunities: Digital Media and Tools

- Use digital still and film cameras to record and event or process
- Change the basic settings on a digital camera including flash, macro, zoom etc

### History: THE BATTLE OF BRITAIN

- Know why WW2 broke out.
- Identify countries involved in World War 2.
- Know the countries which were allies.
- Know when the Battle of Britain occurred.
- Know why Germany chose to invade Britain by air.
- Learn about Churchill's resistance during the Battle of Britain.
- Understand how the Battle of Britain affected everyday life.
- Understand evacuation and why children were evacuated at this time.
- Research the role of propaganda.

### Geography: THE PHYSICAL FEATURES OF THE UK

- Identify some of the major mountains, hills and rivers in the UK.
- Identify key topographical features of maps such as hills, mountains, rivers and coasts.
- Know the differences between a hill and a mountain.
- Explain the differences between rivers, lakes and streams.
- Know that rivers run into coasts.
- Know the key vocabulary associated with rivers and coasts.
- Use 6 figure grid refs when locating key topographical features.
- Know how temperatures change at different altitudes.
- Devise a graph based on the changes in temperature.

#### ICT Opportunities Digital Research

- Use search tools to find specific information and types of media effectively and safely
- Understand the issues around inaccurate and biased information on the web, and be able to select and evaluate digital content accordingly

#### ICT Opportunities: Handling Digital Data

- Explore a variety of real-world databases, including timetables, geographical data
- Answer questions by researching online databases
- Create a range of different types of graph and chart with software

### DT: CREATE AN ANDERSON SHELTER

- Use brawdawl to mark hold positions.
- Use hand drill to drill tight and loose fit holes.
- Cut wood, dowel, square section wood accurately to 1mm.
- Join materials using appropriate methods.
- Build frameworks using a range of materials e.g wood, card, corrugated plastic to support mechanisms.
- Use a glue gun with close supervision.
- Cut slots - Cut accurately and safely to a marked line.
- Join and combine materials with temporary, fixed or moving joinings.
- Use craft knife, cutting mat and safety ruler under 1:1 supervision Choose an appropriate sheet material for the purpose.

### ART: SCULPTURE (LOOK AT ANTHONY GORMLEY'S WORK)

- Shape, form, model and construct from observation or imagination.
- Use recycled, natural and man-made materials to create sculptures.
- Plan a sculpture through drawing and other preparatory work.
- Develop skills in using clay including slabs, coils, slips, etc

#### ICT Opportunities: Digital Media and Tools

- Use digital still and film cameras to record and event or process

#### ICT Opportunities: Digital Media and Tools

- Change the basic settings on a digital camera including flash, macro, zoom etc
- Explore photography and film as artistic media, creating their own images

### Music: FOCUS STUDY: ELGAR.

- Pupils should play and perform in solo and ensemble contexts, using their voices and playing instruments with increasing accuracy and fluency.
- Improvise and compose music for a range of purposes using the interrelated dimensions of music.
- Listen with attention to detail and recall sounds using aural memory.
- Use and understand staff and other musical notations.
- Appreciate and understand a wide range of high quality live and recorded music from different traditions and great composers and musicians.
- Develop an understanding of the history of music.

#### ICT Opportunities: Digital Media and Tools

- Create and edit musical sequences with several tracks
- Edit and develop digital music using a range of tool

### P.E: games, dance, indoor athletics and tag rugby (see the P.E folder for more detail)

ICT Opportunities: Digital Media and Tools: Use digital still and film cameras to record and event or process

### Computing: USING TECHNOLOGY SAFELY

- Know about different online communication tools and how they can be safely used by children
- Be able to discuss issues around cyberbullying and appropriate online behaviour
- Understand some of the issues around personal data and how it might be used by others
- Know about the KIDSMART rules and other e-safety portals
- Be able to describe how they would ask for support or help

### Computing: THE INTERNET AND DIGITAL RESEARCH

- Know the basic structure of the Internet and World Wide Web
- Understand that information the internet needs to be checked and evaluated
- Understand that information sources should be credited
- Understand how information is named, organised, moved and stored on the Internet
- Understand the issues around inaccurate and biased information on the web, and be able to select and evaluate digital content accordingly

### Entitlement and Enrichment

Britain at War museum, Imperial War museum, the cabinet rooms, trip to the River Thames, the Serpentine Lake, samb

R.E - SEE AGREED SYLLABUS  
BUDDHISM - Unit 4

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SIKHISM - Unit 4.