



## Britain from the Air Year 4

### Essential Knowledge

#### By the end of this unit children will know...

- How to ask geographical questions.
- How to use atlases, maps and plans at a range of scales.
- How to obtain information from secondary sources, including aerial photographs.
- How to use ICT programmes to write a set of instructions.
- What places are like in their locality.
- How people preserve places of special interest.
- How the Victorians changed Britain's landscape.

### Launch

#### Visits and experiences:

Plan a trip to a major city to see the sights.

Watch film documentary, e.g. 'Camera on a bird'.

Hot Air Balloon visit to school.

Visit from the National Trust to explain their roles.

### Explore

#### Explore our world from above:

Ask children to imagine what their school and grounds look like from above.

Explore the shapes used when mazes/crop circles are constructed.

Explore how Ordnance Survey maps are produced.

Take part in orienteering using maps.

### Energise

#### Designing and Model-making:

Take an important local landmark, e.g. Angel of the North, plan, design and create a 3D statue/model of a new landmark to celebrate Britain today.

Children to design their own maze, using 'Scratch' computer programme.

### Celebrate

#### Come and Share Afternoon:

Invite parents/carers in for Afternoon Tea, like the Queen's Garden Party, with homemade cakes, refreshments.

Exhibit children's 3D modal landmarks.

Children produce an Art Exhibition Guide, including children's explanations and ideas behind their models.

## Core Subjects:

Links to theme

### English

- Write mini pocket guide entries for famous landmarks.
- Write a persuasive argument or letter, in order to preserve a landmark.
- Use written sources to collect information about important landmarks.
- Write a set of directions.
- Write diary entries for a hot air balloon ride.

### Mathematics

- To solve a range of problems involving crop circles.
- Identify shapes in a crop circle.
- Use co-ordinates to locate features.

### Science

- Carry out a fair test into how shadows are formed.
- Discuss the properties of materials found in an archaeological expedition of their school site.

## Britain from the Air Year 4: Theme Content

### Personal Development

#### Spiritual

Children will compare places of worship in different faiths.

#### Moral

Children will argue a point of view using the agreed rules in an attempt to preserve a landmark.

#### Social

Children are to work collaboratively to successfully carry out orienteering tasks.

#### Cultural

Children are to explore where they live and the people who shaped their locality.

### Foundation Subjects

#### History, Geography and Citizenship

##### Geography:

- Use atlases and OS maps. Draw own maps.
- Locate physical and human features on a map, including important landmarks.
- Recognise features on an OS map using correct symbols.
- Write a set of directions using points of the compass and grid references.
- Visit London, or a large town/city in your locality to see important landmarks.
- Understanding what a 'Bird's-eye view means and how it is used.

##### History:

- To use evidence to ask questions and understand the contributions that people in the past have made to the local area.
- Find out how the Industrial Revolution changes the landscape of Britain.

##### Citizenship:

- Understand the important role of volunteers. When asking questions to find out more about the role of The National Trust.

#### Art and Design and Design Technology

##### Art and Design:

- Look at sculptors and their work.
- Design a model sculpture to represent the local area.

##### Design Technology:

- Use a variety of tools and materials to make a model.

#### Music, Languages and Physical Education

##### Physical Education:

- Take part in arrange of orienteering activities.

#### Computing

- Use SCRATCH to create a model maze design.
- Use the internet and Google Earth.

# Britain from the Air Year 4: Links to National Curriculum Framework

## Core Subjects:

### English

- Use a variety of written techniques to persuade.
- Use information books to retrieve information.
- Use a variety of writing techniques to communicate views to an audience.
- Ask relevant questions to extend their understanding and knowledge.
- Articulate arguments and opinions.
- Consider and evaluate different viewpoints.

### Mathematics

- Develop their ability to solve a range of problems.
- Recognise and explain patterns and relationships.
- Describe positions on a 2-D grid coordinates in the first quadrant.
- Describe movements between positions as translations of a given unit to the left/right and up/down.

### Science

- Children able to explain how a shadow is formed and so which group of materials are best at forming a shadow.
- Carry out a fair test and suggest improvements to their investigation.
- Understand that it is Earth that moves around the Sun.
- Give scientific reasons for the use of certain materials.

## Foundation Subjects

### History, Geography and Citizenship

#### Geography:

- Identify roads, rivers and railway lines on an OS map.
- Know what the OS symbol for a church is, and find it on an OS map.
- Observe the area around their school. Identify places of special interest.
- Use an atlas to find places.
- Use 4-fig grid references to identify places on OS map. Use compass directions to write a set of directions.
- Begin to suggest reasons why people may have settled in my local area.

#### History:

- To suggest, use and evaluate sources of evidence.
- To describe changes that has happened in the locality.
- Use more than one source of evidence for historical enquiry in order to gain more accurate understanding of history.

### Art and Design and Design Technology

#### Art and design:

- Produce creative work, exploring their ideas and recording their experiences.
- Describe the differences and similarities between the designs and materials used by different sculptors.
- Explore the work of sculptors.

#### Design Technology:

- Generate and develop ideas.
- Select from and use a wide selection of materials.
- Evaluate their ideas against the design criteria and consider the views of others to improve their work.

### Music, Languages and Physical Education

#### Physical Education:

- Use maps, compasses to orientate themselves.
- Show an ability to both lead and form part of A-team.

### Computing

- Use an internet program - SCRATCH, Google Earth.
- Use the internet to research.

## Britain from the Air 4: Assessment Opportunities/Tasks within theme

### Core Subjects

#### English

- Children will write persuasive arguments to preserve a landmark.
- Children will write diary entries describing their experiences of a hot air balloon ride.
- Children will write mini pocket guide entries for famous landmarks.
- Children will write a set of instructions.

#### Mathematics

- Children will plot and interpret coordinates for famous land marks on a map of the UK.
- Children will use grids to design a crop circle.

#### Science

- Children will carry out a fair test into how shadows are formed.
- Discreet science assessments.

### Foundation Subjects

#### History, Geography and Citizenship

##### Geography:

- Children will be able to read and interpret OS maps and their keys.
- Children will write a set of directions using points of the compass and grid references.
- Children will demonstrate an understanding what a 'Bird's-eye view means and how it is used.

##### History:

- Children will use evidence to ask questions and understand the contributions that people in the past have made to the local area.
- Children will find out how the Industrial Revolution changes the landscape of Britain.

#### Art and Design and Design Technology

##### Art and Design

- Children will design a 3D model of a famous UK landmark.

#### Music, Languages and Physical Education

##### PE

- Children will take part in group orienteering activities.

#### Computing

##### Computing

- Children will write a maze game using 'Scratch' computer programme.