

# The Woodlands Community Primary School

## Class plan - UKS2 Cycle B Sept 2024 Cycle A



### Maafa **History**

#### Companions

- Circulatory System **Science**
- Tints, Tones and Shades (Y6) **Art and design**
- Food for Life **Design and technology**
- Our Changing World **Geography**
- Trailblazers, Barrier Breakers **Art and design**

#### Personal, social and health education

Prejudice and discrimination; Diversity and multiculturalism

#### Suggested text

Freedom - Catherine Johnson. Our Changing World - Collins Junior Atlas - Stephen Scoffham and Collins Kids

#### Memorable experience

Exploring Africa today. Food for Life - Exploring processed foods. Trailblazers, Barrier Breakers - Exploring trailblazers

#### Innovate challenge

Inspirational black Britons. Circulatory System - Let's investigate focus: Reporting and concluding. Food for Life - Designing and making a healthy meal. Trailblazers, Barrier Breakers - Inspired artwork

#### Art and design

Tints, Tones and Shades (Y6) - Colour theory; Colour wheel; Mixing tints, shades and tones; Landscapes. Trailblazers, Barrier Breakers - Significant black artists; Analysing artwork; Creating artwork with meaning

#### Geography

Africa – countries, land use, natural resources, location, settlements, population, climate and physical features. Our Changing World - Features of Earth including the Arctic and Antarctic Circles; Time zones, Latitude and longitude; Map scale; Grid references, contours and symbols; Climate change, extreme weather and people; Worldwide trade; Natural resource management; Road safety; Fieldwork; Settlement patterns; Local enquiry

#### Design and technology

Food for Life - Whole foods; Processed foods; Making healthy meals; Hygiene and safety

#### English

Newspaper reports; Persuasive letters; Non-chronological reports; Acrostic poems

#### History

Ancient African kingdoms; Development of the transatlantic slave trade; Britain's role in the slave trade; Human impact; Everyday life on plantations; Rebellion and marronage; Causes and consequences of the abolition of the slave trade and slavery; Colonisation of Africa; Black people in 20th century Britain; Race Relations Act; Equality Act; Significant black Britons; Multiculturalism

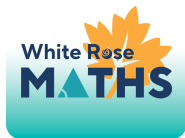
#### Science

Circulatory System - Bodily systems; Circulatory system – role and main parts; Heart – structure and function; Blood – components and functions; Blood vessels – structure and function; Measuring heart rate; Proving a hypothesis; Heart rate investigation; Classifying foods; Effects of smoking, alcohol and drugs; Heart rate recovery investigation; Working scientifically – Identifying and classifying, Comparative test, Pattern seeking, Research

### Y6 WRM – Autumn (v3.0) **Mathematics**

#### Mathematics

Block 1: Number – Place value; Block 2: Number – Addition, subtraction, multiplication, and division; Block 3 and 4: Number – Fractions; Block 5: Measurement – Converting units





## Frozen Kingdoms **Geography**

### Companions

- Electrical Circuits and Components **Science**
- Inuit **Art and design**
- Engineer **Design and technology**
- Environmental Artists **Art and design**

### Suggested text

The Wolf Wilder - Katherine Rundell

### Memorable experience

Polar expedition. Inuit - Inuit art. Engineer - Bridges and engineers. Environmental Artists - Exploring environmental art

### Innovate challenge

Discovering the Arctic. Electrical Circuits and Components - Designing and making programmable home devices. Inuit - My print. Engineer - Designing and making a prototype bridge. Environmental Artists - Creating environmental art

### Art and design

Inuit - Printmaking; Carving. Environmental Artists - Environmental art; Recycled, reused and repurposed materials

### Geography

Arctic and Antarctic regions; Lines of latitude and longitude; Polar climates; Polar day and night; Polar oceans; Polar landscapes; Climate change; Natural resources; Indigenous people; Tourism

### Design and technology

Electrical Circuits and Components - Sensors and monitoring; Designing and making home devices; Incorporating programming and circuits in products. Engineer - Significant engineers and bridges; Features of bridges; Strengthening techniques; Iterative design; Building prototypes

### English

Non-chronological reports; Haiku poetry; Newspaper reports; Adventure narratives

### Computing

Electrical Circuits and Components - Programming; Animating LEDs; Introducing repeats; Sensors and monitoring. Environmental Artists - Video editing software

### History

Polar exploration; Significant people – Robert Falcon Scott; Ernest Shackleton; Significant events – Titanic

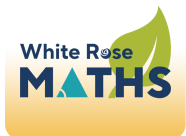
### Science

Classifying living things; Classification keys; Adaptation; Investigations. Electrical Circuits and Components - Series circuits; Circuit components; Recognised circuit symbols; Investigating circuit components; Electric current; Voltage; Researching cells and batteries; Investigating voltage changes; Working scientifically – Identifying and classifying, Pattern seeking, Comparative test, Research

## Y6 WRM – Spring (v3.0) **Mathematics**

### Mathematics

Block 1: Number – Ratio; Block 2: Number – Algebra; Block 3: Number – Decimals; Block 4: Number – Fractions, decimals and percentages; Block 5 – Measurement – Area, perimeter and volume; Block 6 – Statistics





## Britain at War **History**

### Companions

- Light Theory **Science**
- Distortion and Abstraction **Art and design**
- Make Do and Mend **Design and technology**
- Evolution and Inheritance **Science**
- Bees, Beetles and Butterflies **Art and design**

### Suggested text

Goodnight Mister Tom – Michelle Magorian

### Memorable experience

War museum. Distortion and Abstraction - What is abstract art?. Make Do and Mend - Make Do and Mend campaign. Bees, Beetles and Butterflies - Collecting images

### Innovate challenge

Memorial books. Light Theory - Let's investigate focus: Planning and carrying out. Distortion and Abstraction - Creating Orphism-style art. Make Do and Mend - Mrs Sew and Sew's challenge. Evolution and Inheritance - Let's investigate focus: Planning and carrying out. Bees, Beetles and Butterflies - Insect-inspired artwork

### Art and design

Distortion and Abstraction - Abstract art; Abstraction by line, colour and shape; Significant artists – Pablo Picasso, Robert Delaunay and Sonia Delaunay; Orphism. Bees, Beetles and Butterflies - Using sketchbooks; Observational drawing; Mixed media collage; Pop Art

### Geography

Place and interconnections; Maps

### Design and technology

Make Do and Mend - Investigating clothing; Sewing – running stitch, whip stitch and blanket stitch; Repairing clothes; Making products from recycled materials

### English

Persuasive posters; Historical narratives; Nonets

### History

First and Second World Wars; Causes; Warring nations; Weaponry, warfare and technology; Key events and battles; Impact on citizens and everyday life; Significant leaders; End of war; Local history study; Remembrance; Post-war Britain

### Science

Light Theory - Light facts; How light travels; Light, sight and the human eye; Visible light; Perceiving colour; Shadows; Reflections; Plane, concave and convex mirrors; Measuring light; Refraction; Working scientifically – Identifying and classifying, Comparative tests, Pattern seeking, Research. Evolution and Inheritance - Five kingdoms, microorganisms and viruses; Classifying fossils; Theory of evolution and evolutionary tree diagrams; Inheritance and variation – continuous and discontinuous variation; Natural selection and survival of the fittest; Adaptations in birds' beaks; Adaptations in plants; Artificial selection; Testable hypothesis; Working scientifically – Identifying and classifying, Comparative test, Pattern seeking, Research

## Y6 WRM – Summer (v3.0) **Mathematics**

### Mathematics

Block 1: Geometry – Shape; Block 2: Geometry – Position and direction; Block 3: Themed projects, consolidation and problem solving



## Y6 Computing **Computing**

### Computing

Staying safe online; Evaluating digital content; Algorithms and debugging; Programming



Staying safe online; Evaluating digital content; Algorithms and debugging; Programming