

# Knowsley Village School

## Class plan - Year 6 Cycle A



### Maafa **History**

#### Companions

- Circulatory System **Science**
- Colour and Style **Art and design**
- Food for Life **Design and technology**
- Our Changing World **Geography**
- Trailblazers, Barrier Breakers **Art and design**

#### Planned term

Autumn

#### English- Pathways to Write

Star of Fear, Star of Hope by Jo Hoestlandt The Place for Me-Stories about the Windrush Generation by K.M. Chimhiri

#### 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

#### 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

#### 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

#### 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

#### 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

#### Design and technology

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

#### Religious education

Judaism Big Idea - Shabbat Christianity Big Idea- Why is Jesus portrayed in different ways?

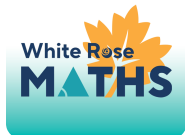
#### Personal, social and health education

Prejudice and discrimination; Diversity and multiculturalism

#### Physical Education

Hockey Fitness Netball. Dance

# 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**

## Planned term

Spring

## English- Pathways to Write

The Selfish Giant by Oscar Wilde and Ritva Voutila Island by Jason Chin / Jemmy Button by Alix Barzelay

## 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

## 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

## History

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

## 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

## Art and design

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

## 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

## Computing

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

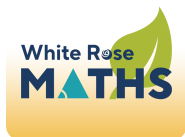
## Religious education

Judaism Big Idea- Is Sunday a Religious day for everyone? Christianity Big Idea - Easter - What is the difference between Free Will and Determinism?

## Physical Education

Gymnastics Tag Rugby Football Basketball

# 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**

### Planned term

Summer

### English- Pathways to Write

Manfish by Jennifer Berne Poetry for Kids William Shakespeare by Marguerite Tassi

### 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

### 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

### 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

### Geography

Place and interconnections; Maps

### 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

### Design and technology

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

### Religious education

Humanism Big Idea- Why are there so many different views as to how the World came into existence? Christianity Big Idea- The Natural World

### Physical Education

Outdoor Education Athletics Cricket/Rounders. Tennis



# Y6 Computing **Computing**

## Computing

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



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

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