



Kibblesworth Academy

Class plan - Year 6 2023 2024



Circulatory System

Science



Tints, Tones and Shades (Y6)

Art and design



Food for Life

Design and technology



Our Changing World

Geography

Suggested text

Collins Junior Atlas - Stephen Scoffham and Collins Kids

Memorable experience

Exploring processed foods

Innovate challenge

Let's investigate focus:
Reporting and concluding

Designing and making a healthy meal

Art and design

Colour theory; Colour wheel;
Mixing tints, shades and tones;
Landscapes

Geography

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

Whole foods; Processed foods; Making healthy meals; Hygiene and safety

Science

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



Rosh Hashanah and Yom Kippur

Religious education



Trailblazers, Barrier Breakers

Art and design



Y6 WRM – Autumn (v3.0)

Mathematics



Y6 Computing

Computing

Memorable experience

Guess the sound

Exploring trailblazers

Innovate challenge

Exploring forgiveness

Inspired artwork

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

Art and design

Significant black artists; Analysing artwork; Creating artwork with meaning

Religious education

New Year; Repentance; Forgiveness

Computing

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



Frozen Kingdoms

Geography



Lailat al Miraj

Religious education



Britain at War

History



Kumbh Mela

Religious education

Suggested text	The Wolf Wilder - Katherine Rundell		Goodnight Mister Tom - Michelle Magorian	
Memorable experience	Polar expedition. [Inuit] - Inuit art. [Engineer] - Bridges and engineers	Taking a journey		War museum. [Distortion and Abstraction] - What is abstract art?. [Make Do and Mend] - Make Do and Mend campaign
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	Exploring faith		Memorial books. [Distortion and Abstraction] - Creating Orphism-style art. [Light Theory] - Let's investigate focus: Planning and carrying out. [Make Do and Mend] - Mrs Sew and Sew's challenge
Art and design	[Inuit] - Printmaking; Carving		[Distortion and Abstraction] - Abstract art; Abstraction by line, colour and shape; Significant artists - Pablo Picasso, Robert Delaunay and Sonia Delaunay; Orphism	
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		Place and interconnections; Maps	
Religious education			Muhammad's journey; Sacred stories; Faith	
			Pilgrimage; Birth and rebirth; Life of a Naga Sadhu; Devotion	
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		[Make Do and Mend] - Investigating clothing; Sewing - running stitch, whip stitch and blanket stitch; Repairing clothes; Making products from recycled materials	
English	Non-chronological reports; Haiku poetry; Newspaper reports; Adventure narratives		Persuasive posters; Historical narratives; Nonets	
Computing	[Electrical Circuits and Components] - Programming; Animating LEDs; Introducing repeats; Sensors and monitoring			
History	Polar exploration; Significant people - Robert Falcon Scott; Ernest Shackleton; Significant events - Titanic		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	



Frozen Kingdoms

Geography



Lailat al Miraj

Religious education



Britain at War

History



Kumbh Mela

Religious education

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

[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

Science



Bees, Beetles and Butterflies

Art and design



Sunday

Religious education



Y6 WRM - Summer (v2.0)

Mathematics

Memorable experience

Collecting images

Is Sunday a special day?

Innovate challenge

Let's investigate focus:
Planning and carrying out

Insect-inspired artwork

Thinking about worship

Mathematics

Block 1: Geometry - Angles, Shape

Art and design

Using sketchbooks;
Observational drawing; Mixed media collage; Pop Art

Religious education

Significant days; Religious affiliation in the UK; Worship

Science

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



Darwin's Delights

Science



Hola Mexico!

Music



Y6 WRM – Spring (v3.0)

Mathematics

Personal, social and health education	Taking responsibility	
Memorable experience	Animal specimen observation	Mexican musical performance
Innovate challenge	Morphing animation	Festival procession
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	
Art and design	Creating sketchbooks; Observational drawing	Sculpture; Maya art; Carving
Geography	Maps; Geographical similarities and differences; Islands of the world	Maps; Human and physical geography of Mexico
Design and technology	Food of Mexico; Evaluating and making instruments	
English	Labelling and journals; Diaries; Letters; Explanations; Newspaper reports	Invitations; Postcards; Instructions; Myths and legends; Poetry
Computing	Online research; Morphing animations; Computer networks	Online research; Presentations
History	Significant individuals – Charles Darwin, Mary Anning	Ancient Maya civilisation
Science	Evolution and inheritance; Living things and their habitats; Working scientifically	Light and shadows