



Kibblesworth Academy

Class plan - Birch 2023 2024



Dynamic Dynasties

History



Firedamp and Davy Lamps

History



Sow, Grow and Farm

Geography



Groundbreaking Greeks

History

Suggested text	Bronze and Sunflower – Cao Wenxuan. [Investigating Our World] - Collins Junior Atlas - Stephen Scoffham and Collins Kids		The Secret Garden - Frances Hodgson Burnett	Who Let the Gods Out? – Maz Evans
Memorable experience	The Yellow Emperor and the Xia Dynasty. [Moving Mechanisms] - Exploring pneumatics. [Taotie] - Exploring taotie motifs	Mining museum visit - Woodhorn Museum	Allotment visit	Time team
Innovate challenge	Life after the Shang Dynasty. [Moving Mechanisms] - Designing and making a pneumatic prototype. [Taotie] - Making taotie pieces	Exhibition of mining heritage	Market gardeners	The ancient Greeks' greatest idea
Geography	[Investigating Our World] - Ordnance Survey maps; Contour lines; Six-figure grid references; Time zones; Climate zones; Vegetation belts; Biomes; Human geography; World cities; Sustainable manufacturing processes; Relative locations and distances; Transport networks; Settlement hierarchy; Local enquiry; Fieldwork	Natural resources; Sketch maps; Energy	Land use in the UK; Allotments; Farming in the UK; Maps; Grid references; Climate zones; Physical features of North and South America; Farming in North and South America; Food transportation	Interpreting geographical sources
English	Narrative poems; Biographies; Stories from another culture	Explanations; Inference	Non-chronological reports; Diaries; Leaflets; Balanced arguments	Greek myths; Balanced arguments; Playscripts; Odes
Art and design	[Tints, Tones and Shades (Y5)] - Colour theory; Colour wheel; Mixing tints, shades and tones; Landscapes. [Taotie] - Taotie motifs; Casting methods; Watercolour	Art appreciation – Pitmen Painters; Sketching	Still life	
Design and technology	[Moving Mechanisms] - Pneumatic systems; Joining and finishing; Iterative design process; Building pneumatic machine prototypes		Seasonality	



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<p>History</p>	<p>Ancient China; Timelines and chronology; Shang Dynasty; Sources and artefacts; Oracle bones and religious beliefs; Bronze Age in ancient China; Historical enquiry; Significance of jade and silk; Power and social hierarchy; Everyday life; Warfare; Significant individual – Di Xin; End of the Shang Dynasty; Bronze Ages around the world; Life after the Shang Dynasty; Legacy</p>	<p>Timelines; The Industrial Revolution; Mining disasters; Mining strikes</p>	<p>Dig for Victory</p>	<p>Ancient Greek periods – Minoan civilisation, Mycenaean civilisation, Dark Age, Archaic period, Classical period, Hellenistic period; Chronology and timelines; Primary and secondary sources; City states; Democracy; Role of men and women; Social hierarchy; Great Athenians; the Acropolis; Greek art, culture, architecture, philosophy, medicine and mathematics; Olympic Games; Alexander the Great; End of the Greek Empire; Legacy</p>
<p>Personal, social and health education</p>		<p>Health and safety rules; Opinions</p>	<p>Debating topical issues</p>	
<p>Science</p>		<p>Rocks; Properties of materials</p>	<p>Food chains and webs; Life cycles; Plant reproduction; Growing plants; Modern farming</p>	



Interconnected World

Geography



Food and the Digestive System

Science



Sound

Science



States of Matter

Science

Suggested text

Collins Primary Atlas - Collins Kids

Innovate challenge

Let's investigate focus:
Planning and carrying out

Let's investigate focus:
Planning and carrying out

Let's investigate focus:
Observing, measuring and recording

Geography

Compass points; Four and six-figure grid references; Tropics of Cancer and Capricorn; Countries, climate and culture of North and South America; Significant physical features of the UK; Renewable and non-renewable energy; National Rail network; UK canal network; Fieldwork; Local enquiry

Science

Producers and consumers; Ecosystems; Food chains and food webs; Changes in ecosystems; Digestive system; Teeth types – incisors, canines, premolars, molars; Teeth health and dental hygiene; Working scientifically – Identifying and classifying, Observing changes over time, Comparative test, Pattern seeking, Research

Sound facts; Investigating sound; Sound waves; How we hear sounds; Muffling sound investigation; Volume and distance investigation; Changing the volume of sound investigation; Changing the pitch of sound investigation; Investigating sound further; Working scientifically – Identifying and classifying, Comparative test, Pattern seeking, Research

Classifying solids, liquids and gases; Unusual materials; Particle theory; Change of state; Melting, freezing, evaporation and condensation; States of water; Measuring temperature; Investigating melting; Line graphs; Researching melting and boiling points; Working scientifically – Observing changes over time, Identifying and classifying, Pattern seeking, Comparative test, Research



Grouping and Classifying

Science



Electrical Circuits and Conductors

Science



Y5 Computing

Computing



Y4 WRM - Spring (v3.0)

Mathematics

Mathematics

Block 1: Number – Multiplication and division; Block 2: Measurement – Length and perimeter; Block 3: Number – Fractions; Block 4: Number – Decimals

Innovate challenge

Let's investigate focus:
Reporting and concluding

Designing and making a
nightlight

Geography

Sustainable energy sources

Design and technology

Making switches;
Programmable technologies;
Programming a micro:bit;
Designing and making a
nightlight; Incorporating
programming and circuits in
products

Computing

Staying safe online; Evaluating
digital content; Algorithms and
debugging; Using data

Science

Types of classification;
Taxonomy; Understanding and
creating classification keys;
Animal kingdom; Plant
kingdom; Classifying new
discoveries; Working
scientifically – Identifying and
classifying, Pattern seeking,
Research

Sources of electricity;
Electrical devices; Electrical
components; Series circuits;
Complete and incomplete
circuits; Conductivity;
Conductors and insulators;
Wired plugs; Incandescent
light bulbs; Future of
electricity; Working
scientifically – Identifying and
classifying, Pattern seeking,
Comparative test, Research



Passover

Religious education



Holi

Religious education



Pentecost

Religious education



Y4 WRM - Autumn (v3.0)

Mathematics

Mathematics

Block 1: Number - Place value; Block 2: Number - Addition and subtraction; Block 3: Measurement - Area; Block 4 Number - Multiplication and division

Memorable experience

Special meal

Meaning of colour

Learning languages

Innovate challenge

Thinking about freedom

Exploring needs

Exploring communities



Y4 WRM - Summer
(v2.0)

Mathematics

Mathematics

Block 1: Number - Fractions, decimals and percentages, Recognise, order and compare decimals; Block 2: Measurement - Problems (measurement), Money, Converting units; Block 3: Measurement - Time, Converting units; Block 4: Statistics - Construct, read and interpret, Problems (statistics); Block 5: Geometry - Shape, Patterns and symmetry, Angles; Block 6: Geometry - Position, direction and coordinates