

Reigate Park Primary Academy

Class plan - Year 3 Cycle A



Through the Ages History

Companions

- Contrast and Complement (Y3) Art and design
- One Planet, Our World Geography
- Cook Well, Eatwell Design and technology
- Prehistoric Pots Art and design
- Animal Nutrition and the Skeletal System Science

Texts

Stone Age Bone Age - Mick Manning Stone Age Boy - Sitoshi Kitamura How to Wash a Woolly Mammoth - Michelle Robinson

Memorable experience

Prehistoric visit. Cook Well, Eatwell - Healthy balanced diets. Prehistoric Pots - Bell Beaker pottery

Innovate challenge

Archaeological investigation. Cook Well, Eatwell - Making a taco filling. Prehistoric Pots - Making Bell Beaker-style pots

Literacy

To entertain- Narrative To entertain- Stone Age narrative To inform- Non chronological report To inform- Instructions To persuade - Letter

Mathematics

2-digit and 3-digit numbers - reading writing and ordering Counting and estimating Addition and subtraction - 1 and 2-digit numbers Multiplication and division Measuring - using mm, cm, and metres Geometry - Recognising, describing and making 2D and 3D shapes Counting and estimating Addition and subtraction of 2 and 3-digit numbers Multiplication and division - doubling, having and TUxU Fractions - representing, comparing and ordering unit fractions of shapes and numbers Measures - read and write the time to 5 minute intervals Statistics - read, present and interpret pictograms and tables

Science

Animal Nutrition and the Skeletal System- Living things; Carnivores, herbivores and omnivores; Human diet; Human nutrition and food groups; Fatty foods; Seasonal changes in animals' diets; Human skeleton; Joints; Muscles; Skeleton types - endoskeletons and exoskeletons; Working scientifically - Identifying and classifying, Observing changes over time, Comparative test, Pattern seeking, Research

Computing

Online Safety: Managing Online Information Online Safety: Self image and Identity iPad Induction Emails

Religious education

Diwali Christmas

Art and design

Contrast and Complement (Y3)] - Colour theory; Colour wheel; Tertiary colours; Warm and cool colours; Complementary colours; Analogous colours. Prehistoric Pots - Significant people - Bell Beaker culture; Sketching; Clay techniques; Making Bell Beaker-style pots

Design and technology

Cook Well, Eatwell - Food groups; Eatwell guide; Methods of cooking; Cooking appliances; Hygiene rules; Making taco fillings

Geography

Human features; Stone Age monuments. One Planet, Our World - Maps; Locating countries; Human and physical features; Four-figure grid references; Primary data; Compass points; Earth's layers; Plate tectonics; Latitude and longitude; European countries and cities; UK counties and cities; Carbon footprints; Weather and the local environment; Land use; Fieldwork; Local enquiry

History

Historical vocabulary; Prehistory; Stone Age; Bronze Age; Iron Age; Chronology and timelines; Everyday life; Tools and weapons; Settlements; Stonework and metalwork; Religion and beliefs; Wealth and power; Invention and ingenuity; Evidence and enquiry

Music

Charanga - Let Your Spirit Fly Charanga - Glockenspiel Stage 1

Physical education

Outdoor Adventurous Activity Improving our Fitness Invasion Games - Tag Rugby Athletics

Personal, social and health education

Living in the Wider World - Rules and Responsibilities Health and Well-Being - Healthy Lifestyles



Rocks, Relics and Rumbles Geography

Companions

- Ammonite Art and design
- Making It Move Design and technology
- People and Places Art and design
- Forces and Magnets Science

Texts

The Firework-Maker's Daughter – Philip Pullman Fact Planet: Volcanoes – Izzi Howell Stone Girl, Bone Girl – Laurence Anholt Geo Detectives – Anita Ganeri The Pebble in My Pocket – Meredith Hooper Escape From Pompeii – Christina Ballit Everybody Needs A Rock – Byrd Baylor If You Find a Rock – Peggy Christian Barnum's Bones – Tracey Fern Violent Volcanoes – Voyage to the Volcano – Fossil – Bill Thompson Explore Fossils – Cynthia Light Brown and Grace Brown

Memorable experience

Let's rock!. Ammonite – Exploring ammonites. Making It Move – Machines and mechanisms. People and Places – Drawing figures

Innovate challenge

Red alert!. Ammonite- Sculpting ammonites. Making It Move – Designing and making an automaton toy. People and Places – Creating LS Lowry-style artwork. Forces and Magnets – Let's investigate focus: Observing, measuring and recording

Literacy

To entertain- Narrative diary entry To entertain- Setting description To inform- Biography (Mary Anning) To inform- Newspaper report To persuade- leaflet

Mathematics

Number, place value and rounding Addition and subtraction – 2-digit numbers Multiplication and division – multiplying 1-digit numbers by multiples of 10 Multiplication and division – informal written methods Measures – adding and subtracting money Geometry – recognising and drawing right angles in 2D shapes. Addition and subtraction of 2-digit numbers Multiplication and division – multiplying by multiples of 10 and dividing with remainders Multiplication and division – multiplying and dividing larger numbers Measuring – grams and kilograms Fractions – representing, comparing and ordering unit and non-unit fractions of shapes and numbers Statistics – read and interpret bar charts using scales

Science

Forces and Magnets – Pushing and pulling forces; Contact forces; Friction; Force meters; Bar charts; Non-contact forces; Magnetism; Magnetic attraction and repulsion; Magnetic fields; Magnetic properties; Magnetic Earth; Uses of friction and magnetism; Working scientifically – Identifying and classifying, Pattern seeking, Comparative tests, Research

Computing

Coding Spreadsheets Touch Typing

Religious education

Jesus' Miracles Easter

Art and design

Ammonite – Sculpture. People and Places – Figure drawing; Urban landscapes; Significant artist – LS Lowry

Design and technology

Making It Move – Cam mechanisms; Designing and making automaton toys; Cutting, joining, strengthening and finishing

Geography

Layers of the Earth; Rocks; Plate tectonics; Ring of Fire; Features of volcanoes; Lines of latitude and longitude; Volcanic eruptions; Earthquakes and tsunamis; Compass points; Maps

History

Significant people – Mary Anning; Pompeii

Music

Charanga – Three Little Birds Charanga – The Dragon Song

Physical education

Gymnastics Net and Wall Games – Netball Net and Wall Games – Tennis Dance

Personal, social and health education

Relationships Education – Resilience and Keeping Safe Relationships Education – Safety (e-safety)



Emperors and Empires History

Companions

- Beautiful Botanicals Art and design
- Greenhouse Design and technology
- Mosaic Masters Art and design
- Plant Nutrition and Reproduction Science
- Light and Shadows Science

Texts

Roman Tales: The Goose Guards – Terry Deary

Memorable experience

Living museum. Beautiful Botanicals - Botanical weavers. Greenhouse - Greenhouse design. Mosaic Masters - Exploring mosaics

Innovate challenge

Historical reports. Beautiful Botanicals - Botanical exhibition. Greenhouse - Planning and making a mini greenhouse. Mosaic Masters - Mosaic masters. Plant Nutrition and Reproduction - Let's investigate focus: Planning and carrying out. Light and Shadows - Let's investigate focus: Reporting and concluding

Literacy

To entertain- Roman Myth To entertain- Setting description To inform- Letter To inform- Newspaper report To persuade- Letter to Boudica

Mathematics

Place Value - read, write, order and round 2 and 3-digit numbers Multiplication and division - problem solving Addition and subtraction - 3-digit numbers and 1,s,10s and 100s Addition and subtraction - 2 and 3-digit numbers Geometry - identifying horizontal, vertical and curved lines Measures - using millilitres and litres Addition and subtraction - of 2 and 3-digit numbers Multiplication and division - problem solving Multiplication and division - short method Fractions - equivalence, adding/subtracting within 1, finding tenths Measures - read and write the time using 12 and 24 hour Statistics - construct and interpret bar charts using scales

Science

Greenhouse - Requirements of plants for growth and survival; Testing properties of materials; Observation. Plant Nutrition and Reproduction - Plant parts; Root systems; Stems; Water transport; Investigating leaves; Life cycle of flowering plants; Flower parts; Researching pollination; Seed formation and dispersal; Variation in plant needs; Working scientifically – Identifying and classifying, Observing changes over time, Pattern seeking, Research, Comparative test. Light and Shadows - Light; Light sources and reflectors; Reflective and non-reflective materials; Sun safety and protection; Shadows; Opaque, transparent and translucent materials; Changes in shadows; Working scientifically – Identifying and classifying, Observing changes over time, Comparative tests, Pattern seeking, Research

Computing

Branching Databases Simulations Online Safety: Privacy and Security Graphing Online Safety: Copyright and Ownership

Religious education

Hindu Beliefs Pilgrimage

Art and design

Beautiful Botanicals - Weaving with natural materials; Botanical art and illustration; Observational drawing; Unit and lino printing; Botanical study. Mosaic Masters - History of mosaics; Sketching; Mosaics

Design and technology

Beautiful Botanicals - Weaving on a loom. Greenhouse - Features of greenhouses; Significant designers – Sir Joseph Paxton and Sir Nicholas Grimshaw; Strengthening techniques; Using tools and safety rules; Properties of materials; Constructing strong frameworks

Geography

Maps

History

Chronology; Everyday life in Ancient Rome; Founding of Rome; Power and rule; Roman Empire; Significant emperors; Social hierarchy; Roman army; Roman invasion of Britain; Significant people – Boudicca; Everyday life in Roman Britain; Romanisation of Britain; Roman withdrawal; Roman legacy

Music

Charanga - Bringing us Together Charanga - Reflect, Rewind and Repeat

Physical education

Dance Gymnastics Invasion Games - Lacrosse Striking and Fielding Games - Rounders

Personal, social and health education

Relationships Education - Similarities and Differences Health and Well-Being - Emotions

