

Brailes CofE Primary School

Class plan - Badgers Class Cycle A



Dynamic Dynasties

History

Companions

- Tints, Tones and Shades (Y5) **Art and design**
- Moving Mechanisms **Design and technology**
- Investigating Our World **Geography**
- Taotie **Art and design**
- Forces and Mechanisms **Science**
- Earth and Space **Science**

Planned term

Autumn

Key Texts

Bronze and Sunflower – Cao Wenxuan. Christmas Carol - Charles Dickens

Book Shelf

Christmas Carol (December only) Investigating Our World - Collins Junior Atlas The Shang Dynasty - Tim Cooke

12 before 12 Things

Gaze at the stars Visit a museum

Local Links

Chipping Norton Astronomy Society Compton Verney

Sustainable Development Goals

11 Sustainable cities and consumption 3 Good health and wellbeing

Engage Stage

The Yellow Emperor and the Xia Dynasty. [Moving Mechanisms] - Exploring pneumatics. [Taotie] - Exploring taotie motifs

Book Talk

Bronze and Sunflower by Cao Wenxuan Inspirational Poems: 'The Door' by Miroslav Horub and 'The Call' by Charlotte Mew The Shang Dynasty by Tim Cooke A Christmas Carol by Charles Dickens

Writing Process

Poems on a theme - Inspirational Poems Biographies - linked to Shang Dynasty Stories from another culture - linked to key text Information Texts - linked to geography work on China Older Literature - Dicken's Christmas Carol Performance Poetry - Christmas Theme

Grammar, Punctuation and Spelling

Revision of Word Classes: Adjective/noun/noun phrase Verb /adverb Tense (past, present, future) Modal verbs Conjunctions Prepositions Determiners Pronouns and relative pronouns Relative clauses Adverbial / fronted adverbial Suffixes and Prefixes Synonym and antonym Inverted commas Main and subordinate clauses

Art and design

[Tints, Tones and Shades (Y5)] - Colour theory; Colour wheel; Mixing tints, shades and tones; Landscapes. [Taotie] - Taotie motifs; Casting methods; Watercolour

Computing

Year 5 - Digital Content: Barefoot: Barefoot: Network hunt activity Barefoot: Solar system simulation Online Safety - Privacy & Security (Y5) Typing practice (Purple Mash) Google Docs/Slides - use app to present final draft or topic work (Year 5) Hour of Code Solar System- Star Wars, Design your own Solar System (coding)

Design and technology

[Moving Mechanisms] - Pneumatic systems; Joining and finishing; Iterative design process; Building pneumatic machine prototypes

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; Relatives locations and distances; Transport networks; Settlement hierarchy; Local enquiry; Fieldwork

History

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

Music

Pitch: Do, Re, Mi, Fa So, La, Do Rhythm: Introduce standard terminology. Composition Pairs of phrases in 4/4 time using dotted rhythms (C minor and F major) Performance - Oh When the Saints/I wanna Sing/Swing Low partner songs. - Christmas Carol Concert.

Personal, social and health education

Class Charter Identity, society and equality Stereotypes, discrimination and prejudice - You, Me PSHE 2x No Outsiders Books 2x Moodmeter lessons Protective Behaviours

Physical education

Fitness and Cross country Handball Hockey Dance Swimming - children who are working towards the EKS2 standard.

Religious education

AS U2.2 Why might ancient stories still be so important to religion and worldviews today? UC 2.B4 Was Jesus the Messiah? (Incarnation)

Science

Forces and Mechanisms Earth and Space

Spanish

Me Presento + Phonics 3&4 (to state name, age, nationality and talk about where you live) La Familia (To talk about your/an imaginary family)

Innovate Stage

Shang Dynasty. - Oracy Google Slides in pairs and writing story from another culture showing learning of the period [Moving Mechanisms] - Designing and making a pneumatic prototype. [Taotie] - Making taotie pieces

Express Stage

Quiz



Y5 WRM – Autumn (v2.0) **Mathematics**

Mathematics

Block 1: Number – Numbers beyond 20, Negative numbers, Roman numerals; Block 2: Number – Addition methods, Subtraction methods; Block 3: Number – Subtraction methods, Problems (addition and subtraction), Estimating and checking; Block 4: Statistics – Construct, read and interpret, Problems (statistics); Block 5: Number – Times tables, Multiplications, Division; Block 6: Measurement – Perimeter, Area



Frozen Kingdoms

Geography

Companions

- Electrical Circuits and Components

Science
- Inuit

Art and design
- Environmental Artists

Art and design
- Engineer

Design and technology

Planned term

Spring

Key Texts

Shackleton's Journey - William Grill Island - Nicky Singer

Book Shelf

Explore: The Most Dangerous Journeys of All time - Deborah Kespert Survivors - Extraordinary tales from the wild and beyond - David Long The Ice Bear - Jackie Morris Call of the Wild - Jack London The Wolf Wilder - Katherine Rundell

12 before 12 Things

Walk Brailes 99 steps Author visit Learn First Aid Learn a musical instrument

Local Links

Brailes 99 Steps Brailes Castle Hill Ashen Coppice Shakespeare Stratford

Sustainable Development Goals

13 Climate action 14 Life below water 15 Life on land

Engage Stage

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

Book Talk

A Boat in the Snow Animal Poetry by Ted Hughes The Hyena - Edwin Morgan Shackleton's Journey Island - Nicky Singer 'Speak to the North' by Charlotte Bronte Survivors - Extraordinary tales from the wild and beyond - David Long The Ice Bear - Jackie Morris

Writing Process

Animal poetry about polar animals Classic Narrative Poetry: The Inchcape Rock Newspaper reports - Rescue of Shackleton's Crew Persuasive Letter - To join Shackleton's Crew Discussion Texts and Debates about environmental issues raised in Island Adventure story

Grammar, Punctuation and Spelling

Simile and metaphor Personification Alliteration Active and Passive voice Subject and object Hyphen Colon / semi-colon Suffixes and Prefixes Synonym and antonym Word families and converting nouns and adjectives into verbs Cohesion Avoiding ambiguity Formality Inverted commas Correct use of commas Main and subordinate clauses

Art and design

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

Computing

[Electrical Circuits and Components] - Programming; Animating LEDs; Introducing repeats; Sensors and monitoring. [Environmental Artists] - Video editing software Year 5 - Using Data: Barefoot: Pizza party – an introduction to data modelling Year 5 - Scratch, Algorithms & Debugging: Barefoot: Scratch maths quiz selection Barefoot: Scratch maths quiz variables Online Safety - Online Relationships (Y5) Online Reputation (Y5)

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

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

History

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

Music

Pitch: Do Re Mi Fa So La, Ti Do Rhythm: quaver and semi-quaver groupings, semibreve. Composition Music Tech - recording and manipulating sounds (Delia Derbyshire). Performance - Calypso (Junior Voiceworks) - Siyahamba (trad. South Africa) Whole class instrumental lessons - fife

Personal, social and health education

Mental Health and emotional well being Dealing with feelings - You, Me, PSHE Drug, alcohol and tobacco education Different influences - You, Me PSHE 2 No Outsiders Books Y5 Bikeability

Physical education

Dodgeball Fitness Gymnastics Basketball

Religious education

AS U2.3 Do religions change or do they stay the same? UC 2B.6 What did Jesus do to save human beings (Salvation)

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

Spanish

En la cafeteria (to say and write food and drink orders + range of transactional language) Los Olimpiadas (to be able to describe an Olympian by their sporting title and say what particular sport they play using the verb 'practicar')

Innovate Stage

Sustainability Poetry and Inuit Art Project including Harmony resources

Express Stage

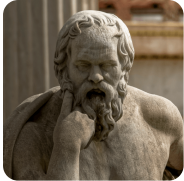
Published and then shared with parents and displayed in school Essay



Y5 WRM – Spring (v2.0) **Mathematics**

Mathematics

Block 1: Number – Multiplication methods; Division methods; Block 2: Number – Recognising, finding and making fractions, Equivalence; Block 3: Number – Equivalence, Counting and calculating with fractions, Addition with fractions, Subtraction with fractions, The four operations and fractions; Block 4: Number – Fractions, decimals and percentages, Recognise, order and compare decimals



Groundbreaking Greeks

History

Companions

- Architecture

Design and technology
- Mixed Media

Art and design
- Properties and Changes of Materials

Science
- Expression

Art and design

Planned term

Summer

Key Texts

Athena: story of the Goddess and other retellings of Greek Myths Wonder - R.J. Palacio

Book Shelf

Who Let the Gods Out? – Maz Evans The Orchard Book of Greek Myths - Geraldine McCaughrean Black Ships Before Troy - Rosemary Sutcliffe The Odyssey - Gillian Cross

12 before 12 Things

See a live theatre performance .Perform in front of an audience Learn a musical instrument Visit Coventry Cathedral

Local Links

Cotswold Water Park Shipston Archery Shipston Proms

Sustainable Development Goals

8 Decent work and economic growth 10 reduce inequalities

Engage Stage

Time team. [Architecture] - Architecture over time. [Mixed Media] - Paper craft. [Expression] - What is Expressionism?

Book Talk

Exploring different retellings of Greek Myths Wonder - R.J. Palacio Books linked to PSHE work Langston Hughes Poetry Poems that celebrate diversity

Writing Process

Greek myths; Explanations and Instructions linked to Greek myths Poems on a theme - Greek Odes Story linked to class text - Wonder
Balanced arguments; Playscripts;

Grammar, Punctuation and Spelling

Perfect form of verbs Informal and formal language Ellipsis Revise all punctuation Synonyms / antonyms Apostrophes - difference between possession and omission Prefixes / Suffixes Correct use of commas Main and subordinate clauses

Art and design

[Mixed Media] - Paper crafts; Papermaking; Paper, fabric, mixed media and surreal photo collage; Mixed media artwork. [Expression] - Expressionist art movement; Significant artist – Edvard Munch; Portrait photography; Expression; Self-portraits

Computing

Year 5 - Scratch, Algorithms & Debugging: Barefoot: Variables unplugged activity Scratch <https://scratch.mit.edu/> Create a jumping game. Online safety - Self-Image & Identity (Y5) Typing practice (Purple Mash) Google Slides/Docs - use apps to present final draft or topic work

Design and technology

[Architecture] - Architecture over time; Greek architecture; Structural support, stiffness and stability; Computer-aided design; Building design. [Mixed Media] - Fabric and mixed media collage; Stitching and embellishment

Geography

Interpreting geographical sources

History

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

Music

Pitch: adding flat 3rd and 7th to change tonality. Rhythm: dotted rhythms, compound time signatures. Composition Short ternary piece in C major pentatonic, 6/8 time, adding chordal accompaniment. Performance - We Are the Champions (Sing Up, 6/8 time) - Songs for end-of-year production.

Personal, social and health education

Physical Health and well being In the media - You, Me, PSHE Relationships and Sex Education Keeping safe and managing risk When things go wrong - You,Me PSHE 1x No Outsiders Book First Aid

Physical education

Athletics Orienteering cricket rounders

Religious education

AS U2.4 What might it mean to live well? UC 2B.3 How can following God bring freedom and justice? (People of God)

Science

[Properties and Changes of Materials] - Properties of materials; Thermal conductivity; Measuring temperature; Thermal insulators; Solubility; Heterogeneous and homogeneous mixtures; Sieving; Filtration; Evaporation; Separating unusual mixtures; Reversible and irreversible changes; Innovative materials; Working scientifically – Identifying and classifying, Observing changes over time, Comparative tests, Research, Pattern seeking

Spanish

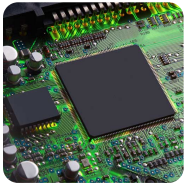
El Fin de Semana (to describe what activities you do at the weekend with a time and an opinion) Los vikingos (to explore vocabulary and grammar involved in character and physical descriptions)

Innovate Stage

Parents/Community Play

Express Stage

Performance to school community and parents



Y5 Computing - CYCLE A **Computing**



Architecture **Design and technology**

Engage Stage

Architecture over time

Design and technology

Architecture over time; Greek architecture; Structural support, stiffness and stability; Computer-aided design; Building design

Innovate Stage

Building design



Mixed Media **Art and design**

Engage Stage

Paper craft

Art and design

Paper crafts; Papermaking; Paper, fabric, mixed media and surreal photo collage; Mixed media artwork

Design and technology

Fabric and mixed media collage; Stitching and embellishment

Innovate Stage

Creating mixed media artwork



Properties and Changes of Materials Science

Science
Properties of materials; Thermal conductivity; Measuring temperature; Thermal insulators; Solubility; Heterogeneous and homogeneous mixtures; Sieving; Filtration; Evaporation; Separating unusual mixtures; Reversible and irreversible changes; Innovative materials; Working scientifically – Identifying and classifying, Observing changes over time, Comparative tests, Research, Pattern seeking

Innovate Stage
Let's investigate focus: Planning and carrying out



Expression Art and design

Engage Stage
What is Expressionism?

Art and design
Expressionist art movement; Significant artist – Edvard Munch; Portrait photography; Expression; Self-portraits

Innovate Stage
Creating an Expressionist-style painting



Y5 WRM – Summer (v2.0) Mathematics

Mathematics
Block 1: Number – Recognise, order and compare decimals, Addition with decimals, Subtraction with decimals, Problems (decimals and percentages); Block 2: Geometry– Shape, Angles; Block 3: Geometry– Patterns and symmetry, Position, direction and coordinates; Block 4: Measurement– Problems (measurement), Converting units; Block 5: Measurement – Volume and capacity



Y5 Computing Computing

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



Y5 Online Safety - CYCLE A Computing

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