Curriculum Overview for Year 6

English

Reading
- Read a broad range of genres
- Recommend books to others
- Make comparisons within/across books
- Learn and perform a wider range of poetry by heart
- Support inferences with evidence
- Summarising key points from texts
- Identify how language, structure, etc. contribute to meaning
- Discuss use of language, inc. figurative
- Discuss & explain reading, providing reasoned justifications for views

Writing
- Use knowledge of morphology & etymology in spelling
- Develop legible personal handwriting style with speed
- Plan writing to suit audience & purpose; use models of writing
- Develop character & setting in narrative
- Select grammar & vocabulary for effect
- Use a wide range of cohesive devices
- Ensure grammatical consistency

Grammar (English Appendix 2)
- Use appropriate style
- Use the passive voice for purpose
- Use features to convey & clarify meaning
- Use full punctuation
- Use language of subject/object

Speaking & Listening
- Use questions to build knowledge
- Articulate arguments & opinions
- Use spoken language to speculate, hypothesise & explore
- Use appropriate language

Art & Design (UKS2)

- Improve mastery of techniques such as drawing, painting & sculpture with varied materials
- Learn about great artists, architects & designers

Computing (UKS2)

- Design & write programs to solve problems
- Use sequences, repetition, inputs, variables & outputs in programs
- Detect & correct errors in programs
- Understand uses of networks for collaboration & communication
- Be discerning in evaluating digital content
- Use technology safely,respectfully & responsibly

Mathematics

Geometry & Measures
- Know circle vocabulary
- Know and use angle rules
- Confidently use a range of measures & conversions up to 3dps
- Convert between miles and km
- Calculate area of triangles/ parallelograms
- Use area & volume formulae
- Classify by properties, Draw 2D, recognise, describe and build 3D shapes
- Translate & reflect shapes, using all four quadrants

Data
- Use pie charts & line graphs
- Calculate mean

Fractions, decimals & percentages
- Compare, order & simplify fractions
- Use equivalents to add fractions
- Multiply simple fractions
- Divide fractions by whole numbers
- Calculate decimal fraction equivalents for simple fractions
- Identify digits to 3 decimal places X & divide by 10,100,1000
- Solve problems using decimals & percentages
- Recall & use equivalences between simple fractions, decimals, percentages
- Use written division up to 2dp
- Introduce & solve problems using ratio & proportion

Number/Calculation
- Secure place value & rounding to 10,000,000, including negatives to solve problems
- All written methods, including long/short multiplication & division
- Mental calculation with mixed operations & large numbers
- Use order of operations (not indices)
- Identify factors, multiples & primes
- Solve multi-step number problems using 4 operations, estimate & check answers

Algebra
- Use simple formulae
- Generate sequences, find unknown nos

Design & Technology (UKS2)

- Use research & criteria to develop products which are fit for purpose & aimed at specific groups
- Use annotated sketches, cross-section diagrams & computer-aided design
- Analyse & evaluate existing products & improve own work
- Understand seasonality of food
- Use wide range of material & components
- Use mechanical & electrical systems in own products, including programming
- Understand how key events & individuals shaped world
- Cook savoury dishes for a healthy & varied diet

Geography (UKS2)

Name & locate
- Counties, cities, regions & features of UK
- Describe & understand key aspects of climate zones, biomes, vegetation
- Understand latitude, longitude, equator,hemispheres, tropics, polar circles & time zones
- Study a region of Europe
- Describe/understand settlement, land use, economic activity including trade links, & the distribution of natural resources inc energy, food, minerals & water
- Use 4-figure grid references on OS maps
- Use fieldwork to record & explain areas

Modern Languages (UKS2)

Listen & Engage
- Describe people, places & things
- Explore patterns through songs & rhymes, link spelling, sound & meaning
- Engage in conversations, expressing opinions
- Speak in simple language & be understood
- Develop appropriate pronunciation
- Present ideas & information orally
- Show understanding in simple reading
- Adapt known language to create new ideas
- Understand basic grammar, e.g. gender

Music (UKS2)

- Perform with control & expression solo & in ensembles
- Improvise & compose using dimensions of music
- Listen to detail & recall aurally
- Use & understand basics of staff notation
- Develop an understanding of the history of music, including great musicians & composers

Science

Biology
- Classification, including micro-organisms
- Evolution & Adaptation
- Recognise that living things change over time & that fossils provide information
- Identify how animals & plants are adapted to suit their environment

Physics
- Light & Shadows; the eye
- Recognise that light appears to travel in straight lines
- Electricity: investigating circuits, representing diagram
- Forces: introduce gravity, resistance & mechanical forces

History

British History (extending chronological knowledge beyond 1066)
- An extended period study, e.g.
- Significant turning point in British history (e.g. events of the Second World War)

Ancient Greece
- A study of Greek Life and achievements
- Influence on the western world

Physical Education (UKS2)

- Use running, jumping, catching & throwing in isolation & in combination
- Play competitive games, applying basic principles
- Develop flexibility & control in gym, dance & athletics
- Take part in Outdoor & Adventurous activities
- Compare performances to achieve personal bests
- Swimming proficiency & water safety (25m, range of strokes, self rescue in different situations)

Religious Education

- Harvest Festivals
- What do people believe about God?
- What is the Bible & how is it used or other sacred texts important?
- What does it mean to be Muslim?
- What is friendship?