Curriculum Overview for Year 5

English

Reading
- Apply knowledge of morphology & etymology (Eng Appendix 1)
- Read, familiarise & discuss a broad range of genres & texts
- Identifying & discussing themes
- Make recommendations to others
- Learn poetry by heart
- Draw inference & make predictions
- Discuss authors' use of language
- Distinguish between fact & fiction
- Retrieve & present information from non-fiction texts.
- Formal presentations & debates

Writing
- Secure spelling, inc. Homophones, prefixes, silent letters, etc. (App1)
- Use dictionaries & a thesaurus
- Legible, fluent handwriting with increased speed
- Plan writing to suit audience & purpose
- Develop character, setting & atmosphere in narrative & integrate dialogue
- Use organisational & presentational features
- Assess effectiveness of writing
- Proof-reading
- Perform own compositions

Grammar (English Appendix2)
- Use expanded noun phrases
- Use modal & passive verbs
- Use relative clauses
- Use commas for clauses
- Use brackets, dashes & commas for parenthesis

Speaking & Listening
- Give well-structured explanations
- Command of Standard English
- Consider & evaluate different viewpoints
- Use effective communication

Art & Design (UKS2)

- Use sketchbooks to collect, record, review, revisit & evaluate ideas
- 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

Mathematics

Fractions
- Compare & order fractions
- Identify, name ,write equivalent fractions
- Add & subtract fractions with common denominators, with mixed numbers
- Multiply fractions & mixed nos by units
- Write decimals as fractions
- Round decimals to nearest whole number or to one decimal place
- Read, Write, order & solve problems using up to 3 decimal places
- Link percentages to fractions & decimal
- Solve problems using %, decimal equivalents & fractions

Number/Calculation
- Read, write, order compare , count fwds bwds nos to at least 1,000,000
- Use negative whole numbers in
- context, count fwds bwds
- Round any number up to 1,000,000 to nearest 10, 100, 1000,10000 & 100,000
- Use Roman numerals to 1000 (M)
- Use standard written methods for all four operations including multi steps
- Check answers by rounding
- Confidently add & subtract mentally
- Use vocabulary of prime, factor & multiple
- Multiply & divide by powers of ten - use formal written methods
- Use square & cube numbers

Geometry & Measures
- Convert between different units
- Understand and use equivalences between metric and imperial
- Calculate perimeter & area of rectangles
- Estimate volume & capacity
- Solve problems inc 4 operations
- Identify 3-d shapes from 2D representation
- Measure, draw & identify angles
- Understand rectangles & regular polygons
- Reflect & translate shapes

Data
- Interpret tables & line graphs
- Solve questions about line graphs

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
- Use wide range of material & components
- Analyse & evaluate existing products & improve own work
- Use mechanical & electrical systems in own products, including programming
- Understand how key events & individuals shape the world
- Cook savoury dishes for a healthy & varied diet

Geography (UKS2)

- Name & locate counties, cities, regions & features
- Describe & understand key aspects of rivers, mountains & the water cycle
- Use 4-figure grid references on OS maps
- Use fieldwork to record & explain areas
- Understand latitude, longitude, equator,hemispheres, tropics, polar circles & time zones

Modern Languages (UKS2)

Listen & Engage
- Explore patterns through songs and rhymes, link spelling, sound and 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
- Describe people, places & things
- 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
- Life cycles of animals
- Reproduction in plants
- Describe changes as humans develop to old age
- To identify the main parts of the human circulatory system
- recognise the impact of diet & exercise

Chemistry
- Classify materials according to a variety of properties
- Understand mixtures & solutions
- Know about reversible changes; identify irreversible

Physics
- Describe movement of Earth & planets in relation to Sun
- Describe movement of Moon
- Explain day & night

History

- In depth study of events leading up to the sinking of the Titanic and it's effects
- Local history study of Kendal
  - Study of an aspect of Kendal that is significant in the locality e.g. wool trade

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

- Why is Moses important to Jews, Christians & Muslims?
- How do we make decisions?
- Lent & Easter - Commitment