Year 5 Curriculum Autumn Term

English

As readers

- Apply knowledge of root words, prefixes, suffixes, both to read aloud & to understand the meaning of new words
- Continue to read & discuss an increasingly wide range of fiction, poetry, plays, non-fiction & reference books or textbooks
- Recommending books they have read to their peers, giving reasons for their choices
- Learning a wider range of poetry by heart
- Preparing poems & plays to read aloud & to perform
- Drawing inferences

As writers

- Write legibly, fluently
- Choosing the writing implement that is best suited for a task
- Identifying the audience for & purpose of the writing
- Noting & developing initial ideas
- Consider how authors develop characters & settings
- Select appropriate vocabulary & grammar
- In narratives, describe settings, characters, atmosphere
- Assessing the effectiveness of their own & others' writing
- Correct use of tense, subject, verb throughout
- Proof-read for spelling & punctuation errors

As grammar experts

- Using verbs or adverbs to indicate degrees of possibility
- Using relative clauses beginning with who, which, where, when, whose, that or with an implied relative pronoun
- Using commas to clarify meaning
- using brackets, dashes or commas to indicate parenthesis

Creative Technology

As artists

- To create sketch books to record their observations & use them to review ideas
- To improve their mastery of art & design techniques, including drawing, painting & sculpture with a range of materials (for example, pencil, charcoal, paint, clay)

.

Computing

As computer technologists

- design, write & debug programs
- use sequence, selection, & repetition in programs; work with variables & various forms of input & output
- use technology safely
- logical reasoning to explain how some simple algorithms work & detect errors & correct
- understand computer networks including the internet; how they can provide multiple services, such as the world-wide web.
- select, use & combine a variety of software to design & create a range of programs,

Mathematics

As mathematicians

Number/calculation

- count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000
- interpret negative numbers in context, count forwards & backwards with positive & negative whole numbers
- solve number problems
- add & subtract whole numbers with more than 4 digits
- add & subtract numbers mentally
- use correct vocabulary
- multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication

Geometry & Measures

- identify 3-D shapes
- know angles are measured in degrees: draw angles
- use the properties of rectangles to find missing lengths & angles
- distinguish between regular & irregular polygons based on reasoning about equal sides & angles
- identify, describe & represent the position of a shape following a reflection or translation, using the appropriate language
- complete, read & interpret information in tables, including timetables

Fractions

- compare & order fractions whose denominators are all multiples of the same number
- identify, name & write equivalent fractions of a given fraction,
- recognise mixed numbers & improper fractions & convert
- multiply proper fractions & mixed numbers by whole numbers, supported by materials & diagrams
- read & write decimal numbers as fractions (e.g. 0.71 = 71/100)
- recognise & use thousandths & relate them to tenths, hundredths & decimal equivalents
- read, write, order & compare numbers with up to three decimal places & solve problems

PSHE

As learners

- Ground rules for PSHE

History

As historians

- Ancient Greece – a study of Greek life & achievements & their influence on the western world

Modern Languages

As linguists

- listen to spoken language & show underst&ing by joining in & responding
- explore the patterns & sounds of language
- engage in conversations;
- speak in sentences, using familiar vocabulary, phrases & basic language structures
- develop accurate pronunciation & intonation so that others understand when they are reading aloud
- read carefully & show understanding of words, phrases & simple writing
- describe people, places & actions orally & in writing
- understand basic grammar

Music

As musicians

• Exploring instrument timbres, listening to and playing Holst's "Mars"
• Improving singing songs.

• Exploring how music can reflect an animal through listening and composing music
• Using musical elements and structures.
• Listening to and describing Vivaldi and Prokofiev's winter music
• Composing in small teams, using musical elements and structures.
• Improving singing & learning instruments

Science

As scientists

- planning different types of scientific enquiries to answer questions,
- taking measurements, using a range of scientific equipment, with increasing accuracy & precision,
- recording data & results of increasing complexity
- using test results to make predictions to set up further tests
- identifying scientific evidence that has been used to support or refute ideas or arguments
- study earth & space
- Sound, study how sound travels, volume & vibrations
- States of matter, solid, liquid gases. Condensation & evaporation
- Gases Around Us, recognise differences in mass between solids & liquids

Geography

As geographers

- locate the world's countries, using maps to focus on Europe & North & South America ,concentrating on their environmental regions, key physical & human characteristics, countries, & major cities
- identify the position & significance of latitude, longitude,
- understand geographical similarities & differences through the study of human & physical geography of a region of the United Kingdom, European country, & a region within North or South America
- use maps, atlases, globes & digital/computer mapping to locate countries & describe features studied

Physical Education

Develop competence to excel in

- Hockey
- Sports Hall Athletics
- Tag Rugby
- Gymnastics

Religious Studies

- How did Jesus want people to live?
  How do people know about God?