Year 7 Curriculum Autumn Term

English

As readers
- read a wide (historical and chronological) range of non-fiction (inc. world literature)
- Understand increasingly challenging texts and make inferences and deductions
- read critically
- read with increasingly detailed understanding
- make comparisons across texts

As writers
- summarise and organise material, with any necessary factual detail
- apply their growing knowledge of vocabulary, grammar and text structure to their writing and select the appropriate form
- draw on knowledge of literary and rhetorical devices to enhance the impact of their writing
- plan, draft, edit and proof-read using a range of strategies

As grammar experts
- consolidate grammatical knowledge from previous Key Stage and study their effectiveness & impact in the texts they read
- draw on new vocabulary & grammatical constructions from their reading and listening, and use these consciously in their writing and speech to achieve particular effects
- give short speeches and presentations, expressing their own ideas and keeping to the point

Creative Technology

As artists and designers
- Create sketchbooks to record drawing and montage ideas with annotated samples including ceramics
- Mix and blend colours in paint.
- Use a variety of approaches to generate ideas
- Test, evaluate and refine their ideas and products against a specification, taking into account the views of intended users & other interested groups.
- How to store, prepare & cook food safely & hygienically
- The importance of a healthy diet as depicted in the eatwell plate

Computing

As computer technologists
- Learn which information to avoid sharing because it is private
- Recognise that information can be helpful or harmful to their reputation and image
- Create projects by selecting, using & combining data from a range of applications to achieve a challenging goal
- Create & use artefacts for a given audience with attention to trustworthiness, design & usability
- Design & use computational algorithms that model the state or behaviour of the real world
- Use a graphical programming language to solve computational problems

Mathematics

As mathematicians

Number
- Negative numbers
- Place value & decimals
- Multiply & divide by 10,100 or 1000
- Mental addition & subtraction
- Written addition & subtraction
- Calculator methods
- Fraction notation
- Adding & subtracting fractions
- Decimals and fractions
- Fractions, decimals & percentages
- Percentages

Algebra
- Sequence & sequence rules
- Sequence notation
- Finding a rule
- Sequences in context
- Functions
- Mappings
- Using letter symbols
- Collecting like terms
- Expanding brackets
- Using a formula
- Deriving a formula

Geometry
- Perimeter & area of a rectangle
- Perimeter & area of a triangle
- Area of a parallelogram & trapezium
- Surface area of a cuboid
- Volume of a cuboid
- Calculating angles
- Angles & parallel lines
- Angles in triangles & quadrilaterals

Statistics
- Types of data
- Averages
- Frequency tables
- Frequency diagrams
- Reading & interpreting pie charts
- Line graphs for time series

PSHE

As learners
- First Aid
- Choices
- Relationships

Geography

Modern Languages

As linguists
- Talk about items for school
- Talk about family
- Give opinions
- Understand spoken and written French in longer sentences

Music

As musicians
- Improving keyboard and vocal performing skills though knowledge of chords
- Learning new composing devices to create atmospheric film music
- Improving performing and composing skills, using music elements and devices.
- Revising chords and learning traditional music notation by playing "Silent Night"
- Improving accuracy of singing and playing seasonal songs

Science

As scientists
- Explain how cells are the fundamental unit of living organisms, including how to observe, interpret and record cell structure using a light microscope
- Describe the functions of parts of a cell
- Describe the similarities and differences between plant and animal cells
- Describe the role of diffusion in the movement of materials in and between cells
- Identify the structural adaptations of some unicellular organisms
- Describe the properties of the different states of matter
- Explain changes of state using the particle model.
- Explain differences between atoms, elements and compounds chemical symbols and formulae for elements and compounds

History

As historians
- Pupils will learn why it is important to study history.
- Pupils are introduced to the key skills needed to be a successful historian
- Pupils will understand how Roman England was governed.
- Pupils will investigate the life of Julius Caesar

Physical Education

Develop competence and performance to excel in:
- Football
- Gymnastics
- Sports Hall Athletics
- Rugby

Religious Studies

- Why do we call the UK a multi-faith society?
- Is Mary a goddess?