

St Nicholas Church of England Primary School – Curriculum Overview – Year 5

ENGLISH: Using a range of fiction, classic and modern, myths, traditional stories and stories from different cultures, poetry and non-fiction texts (reports, chronological and non-chronological, information texts, biographies and instructions) and other stimuli, pupils learn to be competent readers, writers, speakers and listeners.

Reading:

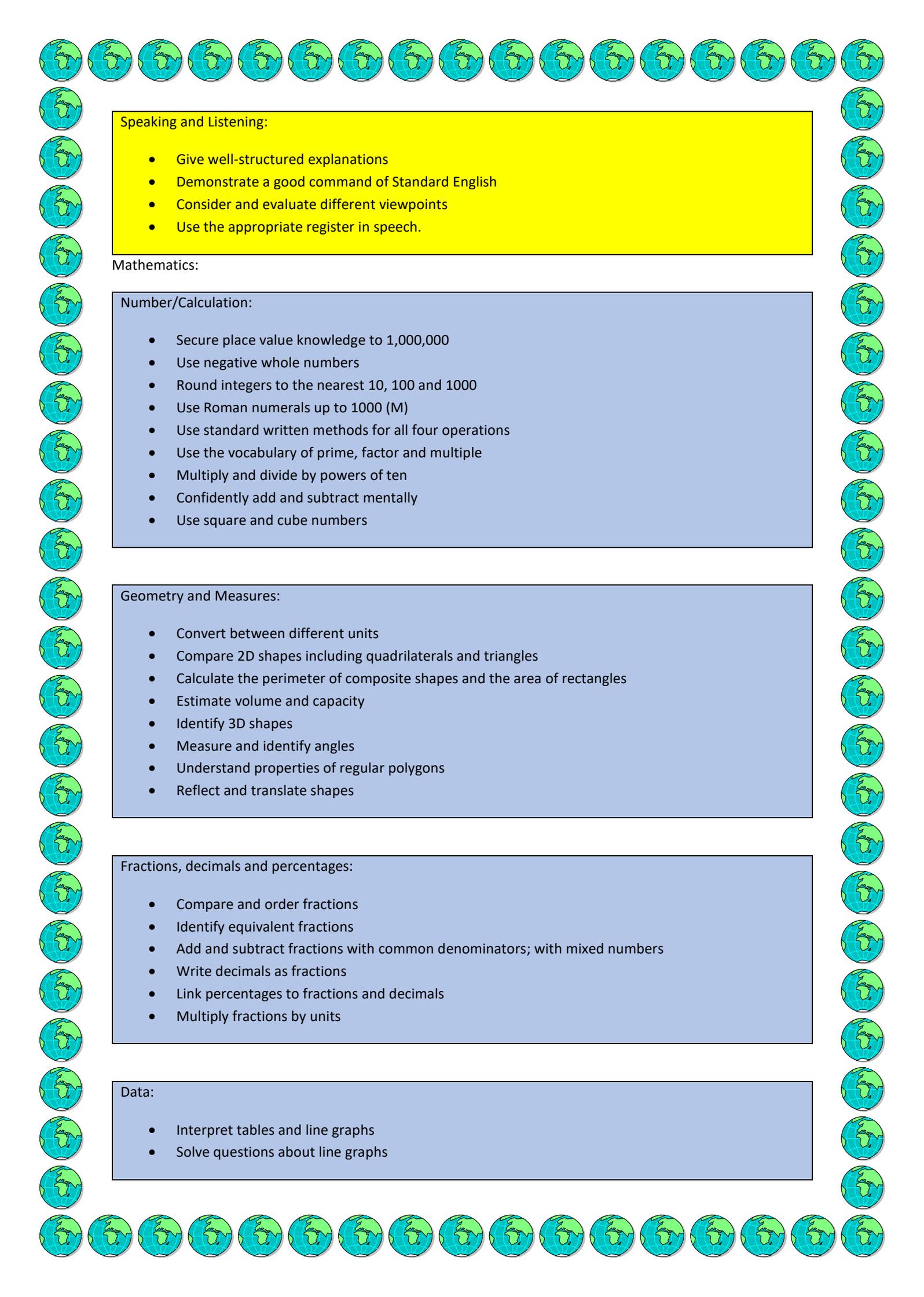
- Apply knowledge of morphology and etymology when reading new words.
- Read and discuss a broad range of genres and texts
- Discuss words and phrases that capture the imagination
- Identify and discuss themes
- Make recommendations to others
- Learn poetry by heart
- Make inferences and justify predictions
- Discuss authors' use of language.
- Retrieve and present information from non-fiction texts
- Take part in formal presentations and debates.

Writing:

- Securely spell spellings including homophones, prefixes, silent letters etc.
- Use a thesaurus and dictionaries with confidence
- Plan writing to suit audience and purpose
- Develop character, setting and atmosphere in narrative
- Organise writing into paragraphs
- Use organisational and presentation features
- Use consistent appropriate verb tenses
- Proof read and edit
- Perform own compositions

Grammar:

- Use expanded noun phrases
- Use modal verbs
- Use the passive voice
- Use relative pronouns
- Identify determiners/articles
- Use relative clauses accurately
- Use commas to separate clauses
- Use brackets, dashes, hyphens and commas for parenthesis



Speaking and Listening:

- Give well-structured explanations
- Demonstrate a good command of Standard English
- Consider and evaluate different viewpoints
- Use the appropriate register in speech.

Mathematics:

Number/Calculation:

- Secure place value knowledge to 1,000,000
- Use negative whole numbers
- Round integers to the nearest 10, 100 and 1000
- Use Roman numerals up to 1000 (M)
- Use standard written methods for all four operations
- Use the vocabulary of prime, factor and multiple
- Multiply and divide by powers of ten
- Confidently add and subtract mentally
- Use square and cube numbers

Geometry and Measures:

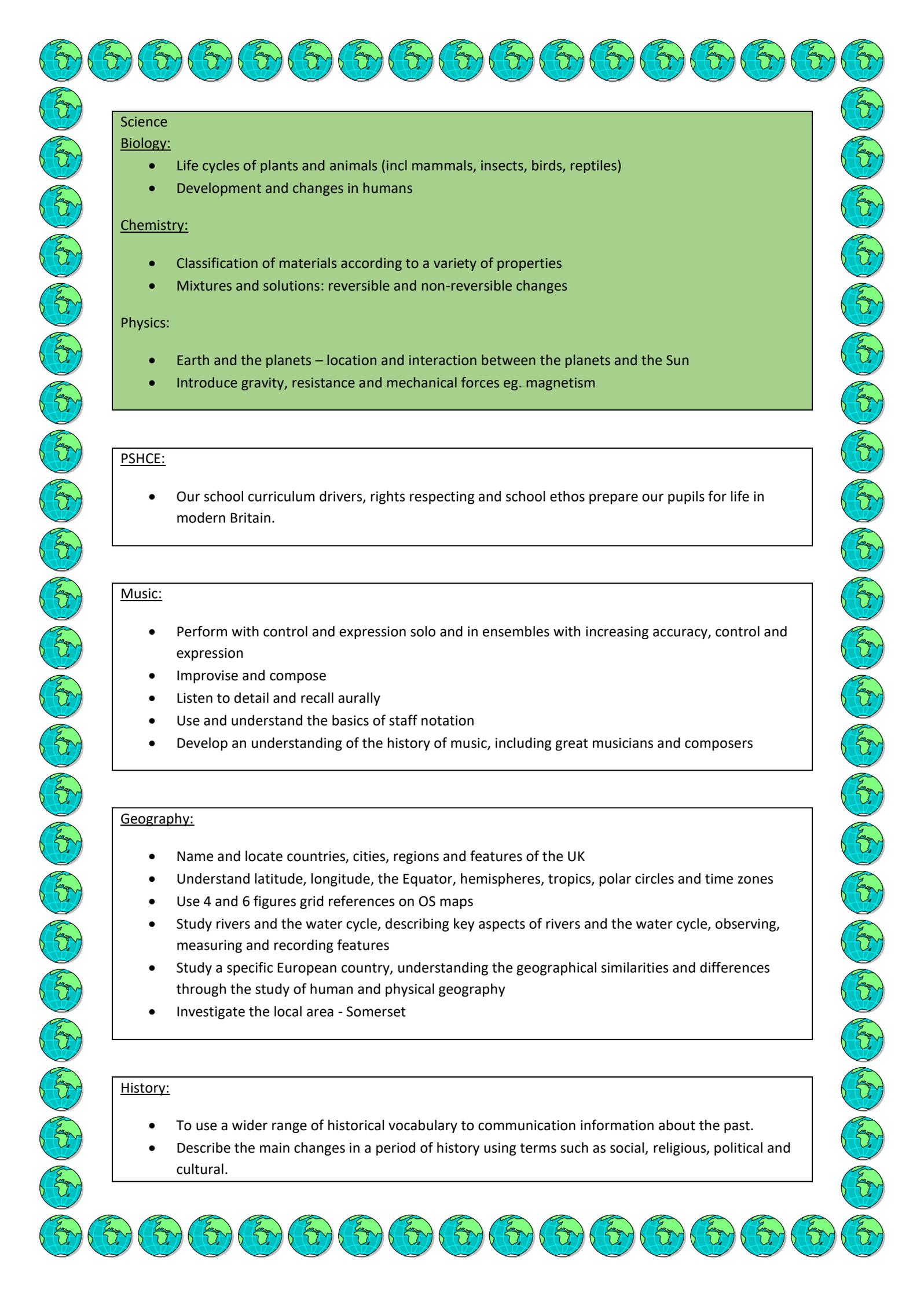
- Convert between different units
- Compare 2D shapes including quadrilaterals and triangles
- Calculate the perimeter of composite shapes and the area of rectangles
- Estimate volume and capacity
- Identify 3D shapes
- Measure and identify angles
- Understand properties of regular polygons
- Reflect and translate shapes

Fractions, decimals and percentages:

- Compare and order fractions
- Identify equivalent fractions
- Add and subtract fractions with common denominators; with mixed numbers
- Write decimals as fractions
- Link percentages to fractions and decimals
- Multiply fractions by units

Data:

- Interpret tables and line graphs
- Solve questions about line graphs



Science

Biology:

- Life cycles of plants and animals (incl mammals, insects, birds, reptiles)
- Development and changes in humans

Chemistry:

- Classification of materials according to a variety of properties
- Mixtures and solutions: reversible and non-reversible changes

Physics:

- Earth and the planets – location and interaction between the planets and the Sun
- Introduce gravity, resistance and mechanical forces eg. magnetism

PSHCE:

- Our school curriculum drivers, rights respecting and school ethos prepare our pupils for life in modern Britain.

Music:

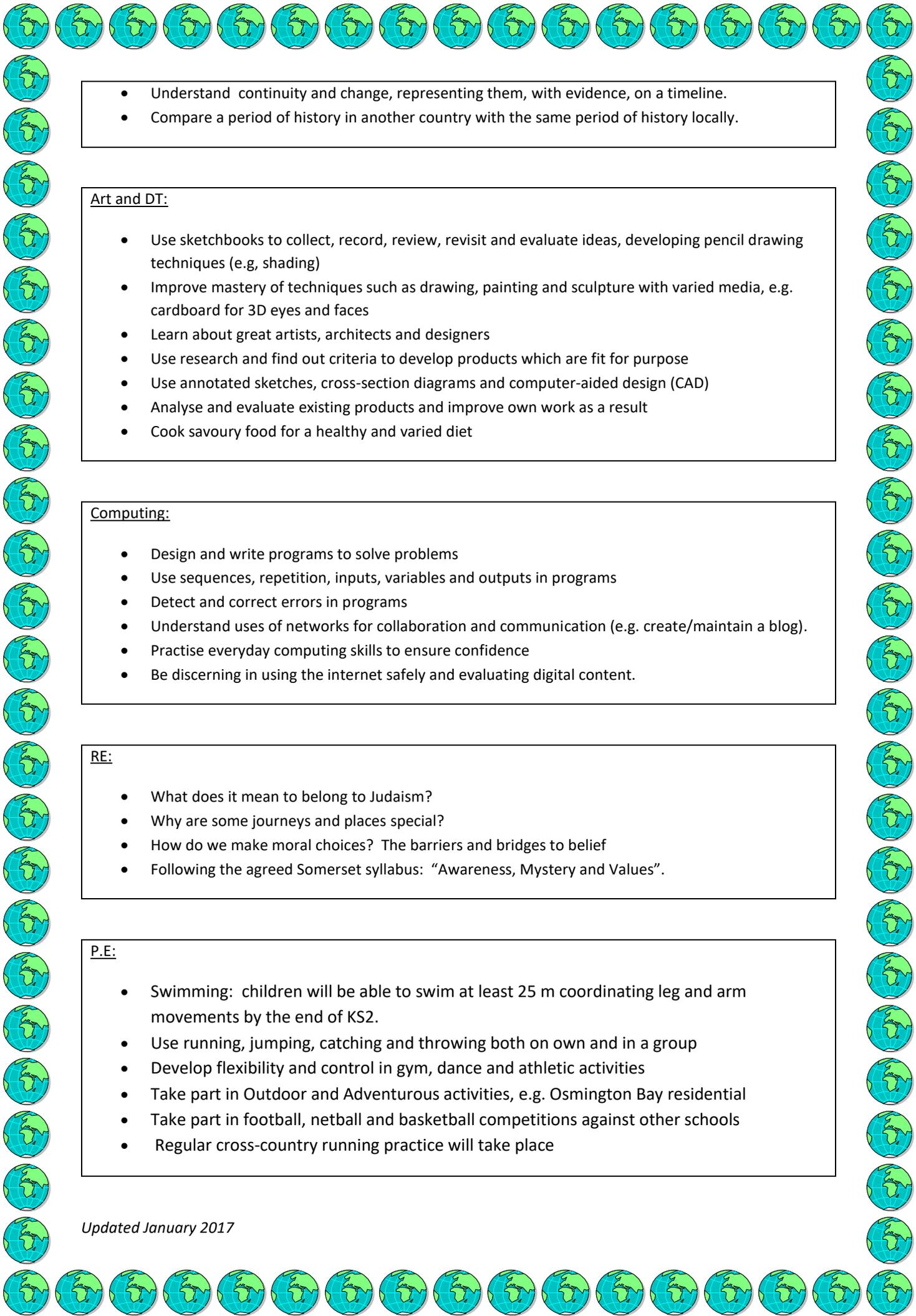
- Perform with control and expression solo and in ensembles with increasing accuracy, control and expression
- Improvise and compose
- Listen to detail and recall aurally
- Use and understand the basics of staff notation
- Develop an understanding of the history of music, including great musicians and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

Geography:

- Name and locate countries, cities, regions and features of the UK
- Understand latitude, longitude, the Equator, hemispheres, tropics, polar circles and time zones
- Use 4 and 6 figures grid references on OS maps
- Study rivers and the water cycle, describing key aspects of rivers and the water cycle, observing, measuring and recording features
- Study a specific European country, understanding the geographical similarities and differences through the study of human and physical geography
- Investigate the local area - Somerset

History:

- To use a wider range of historical vocabulary to communication information about the past.
- Describe the main changes in a period of history using terms such as social, religious, political and cultural.

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- Understand continuity and change, representing them, with evidence, on a timeline.
 - Compare a period of history in another country with the same period of history locally.

Art and DT:

- Use sketchbooks to collect, record, review, revisit and evaluate ideas, developing pencil drawing techniques (e.g, shading)
- Improve mastery of techniques such as drawing, painting and sculpture with varied media, e.g. cardboard for 3D eyes and faces
- Learn about great artists, architects and designers
- Use research and find out criteria to develop products which are fit for purpose
- Use annotated sketches, cross-section diagrams and computer-aided design (CAD)
- Analyse and evaluate existing products and improve own work as a result
- Cook savoury food for a healthy and varied diet

Computing:

- Design and write programs to solve problems
- Use sequences, repetition, inputs, variables and outputs in programs
- Detect and correct errors in programs
- Understand uses of networks for collaboration and communication (e.g. create/maintain a blog).
- Practise everyday computing skills to ensure confidence
- Be discerning in using the internet safely and evaluating digital content.

RE:

- What does it mean to belong to Judaism?
- Why are some journeys and places special?
- How do we make moral choices? The barriers and bridges to belief
- Following the agreed Somerset syllabus: "Awareness, Mystery and Values".

P.E:

- Swimming: children will be able to swim at least 25 m coordinating leg and arm movements by the end of KS2.
- Use running, jumping, catching and throwing both on own and in a group
- Develop flexibility and control in gym, dance and athletic activities
- Take part in Outdoor and Adventurous activities, e.g. Osmington Bay residential
- Take part in football, netball and basketball competitions against other schools
- Regular cross-country running practice will take place

Updated January 2017