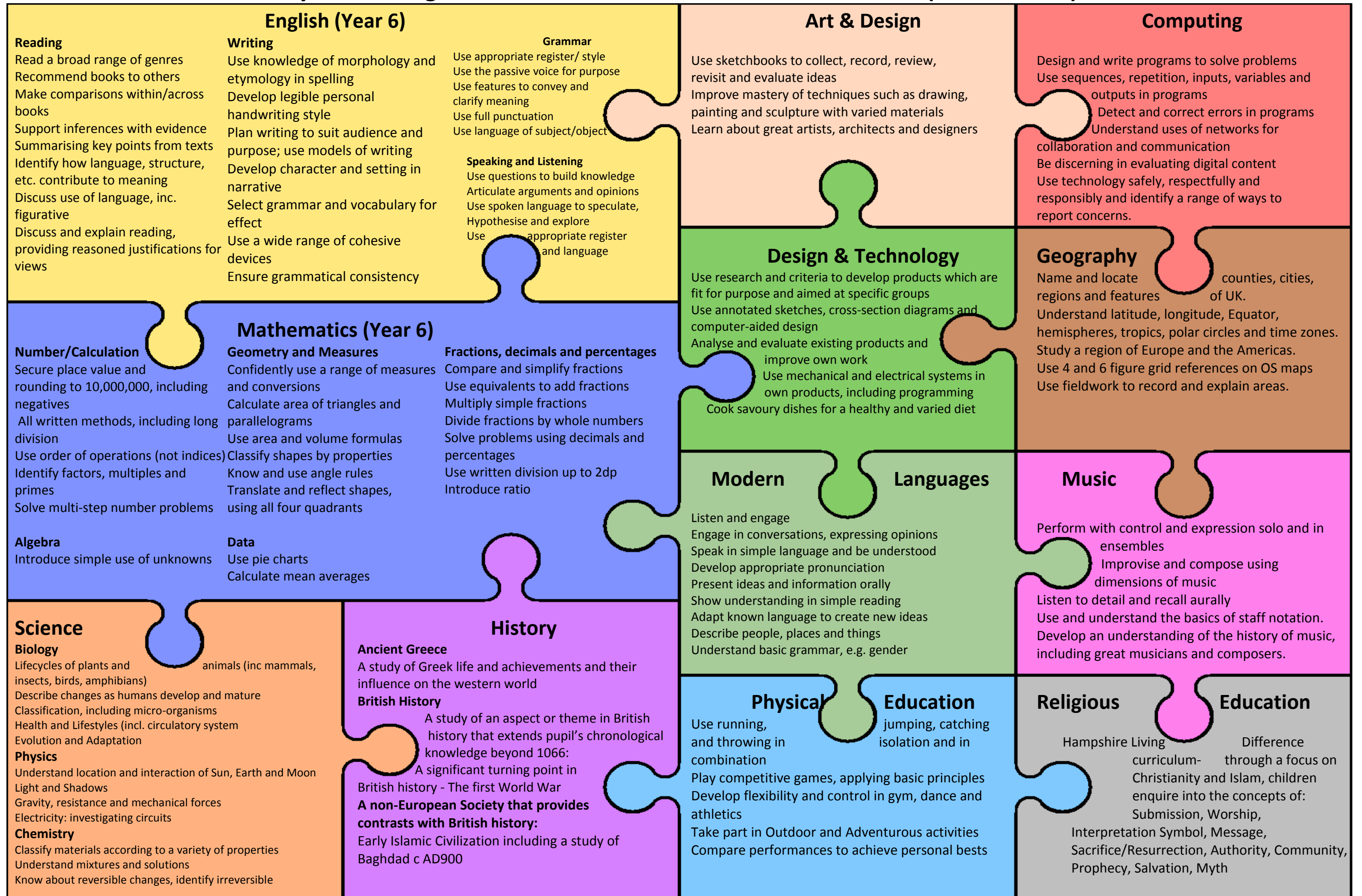


# Cycle B - Long-term curriculum overview for Year 5 and 6 (Year 6 focus)



## English (Year 6)

### Reading

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

### Writing

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

### Grammar

Use appropriate register/ style  
Use the passive voice for purpose  
Use features to convey and clarify meaning  
Use full punctuation  
Use language of subject/object

### Speaking and Listening

Use questions to build knowledge  
Articulate arguments and opinions  
Use spoken language to speculate, Hypothesise and explore  
Use appropriate register and language

## Art & Design

Use sketchbooks to collect, record, review, revisit and evaluate ideas  
Improve mastery of techniques such as drawing, painting and sculpture with varied materials  
Learn about great artists, architects and designers

## 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  
Be discerning in evaluating digital content  
Use technology safely, respectfully and responsibly and identify a range of ways to report concerns.

## Mathematics (Year 6)

### Number/Calculation

Secure place value and rounding to 10,000,000, including negatives  
All written methods, including long division  
Use order of operations (not indices)  
Identify factors, multiples and primes  
Solve multi-step number problems

### Geometry and Measures

Confidently use a range of measures and conversions  
Calculate area of triangles and parallelograms  
Use area and volume formulas  
Classify shapes by properties  
Know and use angle rules  
Translate and reflect shapes, using all four quadrants

### Fractions, decimals and percentages

Compare and simplify fractions  
Use equivalents to add fractions  
Multiply simple fractions  
Divide fractions by whole numbers  
Solve problems using decimals and percentages  
Use written division up to 2dp  
Introduce ratio

### Algebra

Introduce simple use of unknowns

### Data

Use pie charts  
Calculate mean averages

## Design & Technology

Use research and criteria to develop products which are fit for purpose and aimed at specific groups  
Use annotated sketches, cross-section diagrams and computer-aided design  
Analyse and evaluate existing products and improve own work  
Use mechanical and electrical systems in own products, including programming  
Cook savoury dishes for a healthy and varied diet

## Geography

Name and locate counties, cities, regions and features of UK.  
Understand latitude, longitude, Equator, hemispheres, tropics, polar circles and time zones.  
Study a region of Europe and the Americas.  
Use 4 and 6 figure grid references on OS maps  
Use fieldwork to record and explain areas.

## Science

### Biology

Lifecycles of plants and animals (inc mammals, insects, birds, amphibians)  
Describe changes as humans develop and mature  
Classification, including micro-organisms  
Health and Lifestyles (incl. circulatory system)  
Evolution and Adaptation

### Physics

Understand location and interaction of Sun, Earth and Moon  
Light and Shadows  
Gravity, resistance and mechanical forces  
Electricity: investigating circuits

### Chemistry

Classify materials according to a variety of properties  
Understand mixtures and solutions  
Know about reversible changes, identify irreversible

## History

### Ancient Greece

A study of Greek life and achievements and their influence on the western world

### British History

A study of an aspect or theme in British history that extends pupil's chronological knowledge beyond 1066:  
A significant turning point in British history - The first World War  
**A non-European Society that provides contrasts with British history:**  
Early Islamic Civilization including a study of Baghdad c AD900

## Modern Languages

Listen and engage  
Engage in conversations, expressing opinions  
Speak in simple language and be understood  
Develop appropriate pronunciation  
Present ideas and information orally  
Show understanding in simple reading  
Adapt known language to create new ideas  
Describe people, places and things  
Understand basic grammar, e.g. gender

## Music

Perform with control and expression solo and in ensembles  
Improvise and compose using dimensions of music  
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.

## Physical Education

Use running, jumping, catching and throwing in combination  
Play competitive games, applying basic principles  
Develop flexibility and control in gym, dance and athletics  
Take part in Outdoor and Adventurous activities  
Compare performances to achieve personal bests

## Religious Education

### Religious Education

Hampshire Living curriculum- Difference through a focus on Christianity and Islam, children enquire into the concepts of: Submission, Worship, Interpretation Symbol, Message, Sacrifice/Resurrection, Authority, Community, Prophecy, Salvation, Myth