

# New curriculum overview. Year 5.

## Reading

- Apply knowledge of morphology & etymology when reading new words
- Read and discuss a broad range of text
- Identifying & discussing themes
- Make recommendations to others
- Learn poetry by heart
- Draw inference and make predictions
- Discuss authors use of language
- Retrieve & present information from non fiction texts
- Formal presentations and debates

## English

### Writing

- Secure spelling, Inc. Homophones, prefixes, silent letters etc
- Use a thesaurus
- Legible fluent handwriting
- Plan writing to suit audience and purpose
- Develop character, setting and atmosphere in narrative
- Use organisational and presentational features
- Use consistent appropriate tense
- Proof-reading
- Perform own compositions

### Grammar

- Use expanded noun phrases
- Use modal & passive verbs
- Use relative clauses
- Use commas for clauses
- Use brackets, dashes & commas for parenthesis

### Speaking and listening

- Give well structured explanations
- Command of Standard English
- Consider & evaluate different viewpoints
- Use appropriate register

## Art & Design

I know about great artists, architects and designers in history.

## Computing

- Design & write programs to solve problems
- Use sequences, repetition, inputs, variables and outputs in programs
- Detect & correct errors in programs
- Understand uses of networks for collaboration & communication
- Be discerning in evaluating digital content

## Maths

Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit  
Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers  
Add and subtract whole numbers with more than 4 digits including using formal written methods  
Know and use vocabulary of prime numbers, prime factors and composite numbers  
Multiply 4-digit numbers by 1 or 2-digit numbers using a formal written method including long multiplication for 2-digit numbers  
Divide 4-digit numbers by a 1-digit number using formal written method of short division and interpret remainders  
Recognise and use square numbers and cube numbers and the notation for them  
Recognise mixed numbers and improper fractions and convert from one form to another  
Recognise the % symbol and understand that this means number of parts per 100 and recognise decimal equivalents  
Convert between different units of metric measurement and use equivalent common imperial units  
Calculate and compare area of rectangles using  $\text{cm}^2$  and  $\text{m}^2$  and estimate area of irregular shapes  
Estimate volume and capacity  
Draw given angles and measure in degrees  
Distinguish between regular and irregular polygons based on reasoning between equal sides and angles

## Design & Technology

Apply their understanding of how to strengthen, stiffen and reinforce more complex structures  
Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]  
Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]

## Geography

I know the geographical similarities and differences through the study of physical and human geography of a region of the UK and a region in a European country.  
I know how to locate counties and cities of the United Kingdom.  
I know how to identify geographical regions and their characteristics (including hills, mountains, coasts and rivers).

## Modern Languages

To listen and respond to simple rhymes, stories and songs.  
To recognise and respond to sound pattern and words.  
To perform simple communicative tasks using single words, phrases and short sentences.  
To listen attentively and understand instructions, everyday classroom language and praise words.  
To recognise some familiar words in written form.  
To make links between some phonemes, rhymes and spellings, and read aloud familiar words.  
To experiment with the writing of simple words.  
To learn about the different languages spoken by children in the school.  
To locate country/countries where the language is spoken.  
To identify social conventions at home and in other cultures.  
To make indirect or direct contact with the country/countries where the language is spoken.

## Music

To play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.  
To improvise and compose music for a range of purposes using the inter-related dimensions of music.  
To listen with attention to detail and recall sounds with increasing aural memory.  
To use and understand staff and other musical notations To use and

## Science

**Animals, Including Humans:** Describe changes as humans develop from birth to old age.  
**Living Things And Their Habitats:** Describe life cycles of a mammal, amphibian, insect and bird. Describe the life processes of reproduction in some plants and animals  
**Properties And Changes Of Materials:** Compare and group together materials based on evidence from fair tests and give reasons for their uses. Demonstrate that dissolving, mixing and changes of state are reversible changes. Know some changes are irreversible and result in new materials.  
**Forces And Magnets:** Know unsupported objects fall because of gravity. Know the effects of drag force (air resistance, water resistance, friction). Know mechanical devices such as levers, pulleys and gears allow a smaller force to have greater effect.  
**Earth And Space:** Describe movement of: Earth relevant to the Sun; the Moon relevant to the Earth. Describe the Earth, Moon and Sun as approx. spherical bodies.

## History

I know how an aspect of history has changed over a specific time period.  
I know some of the events and changes that took place in my local area during a specific period.  
I know about the Roman Empire and its impact on Britain.

## Physical Education

Use running, jumping, catching and throwing in isolation and in combination.  
Play competitive games, applying basic principles.  
Develop flexibility and control in gym, dance & athletics.  
Take part in Outdoor and Adventure activities.  
Compare performances to achieve personal best.  
*Swimming proficiency at 25m.*

## Religious Education

Continue to follow locally- agreed syllabus for RE