

# Curriculum/Topic Overview Year 4 – Terms 1 and 2

## English

Continuous coverage of all areas of the English curriculum.

## Art & Design

Ar2/1.2 to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials

Ar2/1.3 about great artists, architects and designers in history.

## Computing

Co2/1.1 design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts

Co2/1.2 use sequence, selection, and repetition in programs; work with variables and various forms of input and output

Co2/1.3 use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

## Mathematics

Ma4/2.1a count in multiples of 6, 7, 9, 25 and 1,000  
 Ma4/2.1b find 1,000 more or less than a given number  
 Ma4/2.1c count backwards through 0 to include negative numbers  
 Ma4/2.1d recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s and 1s)  
 Ma4/2.1e order and compare numbers beyond 1,000  
 Ma4/2.1f identify, represent and estimate numbers using different representations  
 Ma4/2.1g round any number to the nearest 10, 100 or 1,000  
 Ma4/2.1h solve number and practical problems that involve all of the above and with increasingly large positive numbers  
 Ma4/2.1i read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value.

Ma4/2.2a add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate  
 Ma4/2.2b estimate and use inverse operations to check answers to a calculation  
 Ma4/2.2c solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.  
 Ma4/2.3a recall multiplication and division facts for multiplication tables up to  $12 \times 12$   
 Ma4/2.3b use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers  
 Ma4/2.3c recognise and use factor pairs and commutativity in mental calculations  
 Ma4/2.3d multiply two-digit and three-digit numbers by a one-digit number using formal written layout

## Design & Technology

DT2/1.1a use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups

DT2/1.3a investigate and analyse a range of existing products  
 DT2/1.3b evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

DT2/1.2b select from and use a wider range of materials and components including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

## Geography

Ge2/1.1a locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities

## Modern

## Languages

FL2/1.2a engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help

FL2/1.2b speak in sentences, using familiar vocabulary, phrases and basic language structures

FL2/1.2c develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases

FL2/1.2d present ideas and information orally to a range of audiences

## Music

Mu2/1.1 play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression

Mu2/1.2 improvise and compose music for a range of purposes using the interrelated dimensions of music

Mu2/1.3 listen with attention to detail and recall sounds with increasing aural memory

Mu2/1.4 use and understand staff and other musical notations

## Science

Sc4/2.1a recognise that living things can be grouped in a variety of ways  
 Sc4/2.1b explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment  
 Sc4/2.1c recognise that environments can change and that this can sometimes pose dangers to living things.  
 Sc4/4.1a identify how sounds are made, associating some of them with something vibrating  
 Sc4/4.1b recognise that vibrations from sounds travel through a medium to the ear  
 Sc4/4.1c find patterns between the pitch of a sound and features of the object that produced it  
 Sc4/4.1d find patterns between the volume of a sound and the strength of the vibrations that produced it.  
 Sc4/4.1e recognise that sounds get fainter as the distance from the sound source increases  
 Plus a full range of working scientifically skills from the curriculum.

## History

Pupils should continue to develop a chronologically secure knowledge and understanding of British, local and world history, establishing clear narratives within and across the periods they study. They should note connections, contrasts and trends over time and develop the appropriate use of historical terms. They should regularly address and sometimes devise historically valid questions about change, cause, similarity and difference, and significance. They should construct informed responses that involve thoughtful selection and organisation of relevant historical information. They should understand how our knowledge of the past is constructed from a range of sources.

Pupils should be taught a study of Greek life and achievements and their influence on the western world

## Physical

## Education

PE2/1.1a use running, jumping, throwing and catching in isolation and in combination

PE2/1.1b play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending

PE2/1.1c develop flexibility, strength, technique, control and balance

PE2/1.1d perform dances using a range of movement patterns

PE2/1.1e take part in outdoor and adventurous activity challenges both individually and within a team

PE2/1.1f compare their performances with previous ones and demonstrate improvement to achieve their personal best.

## Religious

Kent Agreed Syllabus

Christianity

PSHE

T1 – All About Me

T2 – Dreams and Goals

## Education

