

Termly Curriculum Planning

Maths

Decimals:

Round decimals to the nearest whole number and 1dp.
Read, write, order and compare numbers with up to 3dp.
Multiply and divide by 10, 100 and 1000 using up to 3dp.
Solve problems using decimal numbers.

Properties of Shape

Identify 3D shapes from 2D representations. Use materials to build them.
Estimate and compare acute, obtuse and reflex angles.
Draw angles and 2D shapes.
Identify facts about angles including at a point and on a straight line.
Use properties of shapes to distinguish between regular and irregular, and to compare and classify them.
Name parts of circles including radius, diameter and circumference.

Position and Direction

Identify, describe and represent the position of a shape after reflection and translation.
Describe positions on the coordinate grid.

Converting Units

Convert between units of metric measure.
Use approximate equivalences between imperial and metric.
Convert between units of measure from smaller to larger.
Solve problems using measure in all four operations.

Volume

Estimate volume and capacity.
Convert between units of measurement.
Recognise when to use formulae for volume.
Compare volumes of cubes and cuboids using standard units.

Vocabulary

Animals including humans and living things: human, development, puberty, gestation, growing, reproduction, sexual, asexual, mammal, amphibian, rainforest, ocean, desert, classification, insect, similarities, differences.

Vikings: longboat, longhouse, chieftain, feast, raid, trade, runes, warrior, pagan, farmer-warrior, figurehead, chronology.

Year 5

English

Composition:

Identify the audience for writing.
Choose the appropriate form of writing using the main features identified in reading.
Note, develop and research ideas.
Plan, draft, write, edit and improve.
Use the techniques that authors use to create characters, settings and plots.
Ensure correct use of tenses throughout a piece of writing.
Write paragraphs that give the reader a sense of clarity and make sense if read alone.

Write sentences that include: relative clauses, modal verbs, relative pronouns, a clear subject and object and bullet points.

Transcription:

Write fluently and legibly with a personal style.
Spell some words with silent letters (knight, psalm and solemn).
Distinguish between homophones and other words that are often confused.
Use the first three or four letters of a word to look up the meaning or spelling of words in a dictionary.
Use a thesaurus.
Spell the vast majority of words correctly.
Perform compositions, using appropriate intonation and volume.

Science

Working Scientifically:

Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, bar and line graphs, and models.
Present findings in written form, displays and other presentations.
Use simple models to describe scientific ideas, identifying scientific evidence that has been used to support or refute ideas or arguments.

Animals including humans:

Describe the changes as humans develop to old age.

Living things:

Describe the life cycles of a mammal, an amphibian, an insect and a bird.
Describe the life process of reproduction in some plants and animals.
Describe how living things are classified into broad groups based on observable characteristics.
Give reasons for classifying plants and animals based on specific characteristics.
Identify how animals and plants are adapted to suit their environments.

R.E.

All religions – one narrative, many beliefs: why do people interpret differently?

Cycling and Vik(I)ings

Reading

Apply knowledge of root words, prefixes and suffixes.
Read age-appropriate books with confidence and fluency.
Recommend books to peers, giving reasons for choices.
Identify and discuss themes and conventions in and across a wide range of writing.
Make comparisons within and across books.
Learn a wide range of poetry by heart.
Prepare poems and plays to read aloud and to perform, showing understanding through intonation, tone and volume so that the meaning is clear to an audience.
Check that the book makes sense, discussing understanding and exploring the meaning of words in context.
Ask questions to improve understanding.
Predict what might happen from details stated and implied.
Summarise the main ideas drawn from more than one paragraph, identifying key details that support the main ideas.
Identify how language, structure and presentation contribute to meaning.
Retrieve and record information from non-fiction.
Participate in discussion about books, taking turns and listening and responding to what others say.
Distinguish between statements of fact and opinion.

Geography – Fieldwork and changes to use of land

Use statistics and other information to form conclusions about locations. Use fieldwork sampling to record human and physical features in the local area. Analyse and evaluate the effectiveness of different geographical representations.

Describe how the physical features affect the human activity of a location. Name and locate some countries and cities of the world. Describe how areas are interconnected and interdependent.

D.T.

Materials: cut materials with precision and refine with appropriate tools, show an understanding of the qualities of materials.

Textiles: create objects including a seam allowance, use a combination of stitching techniques.

Construction: develop a range of practical skills to create products.

Mechanics: convert rotary motion to linear using cams.

Design, make, evaluate: make products in stages making refinements, ensure products have a high quality finish.

Inspiration from historical design: create innovative designs that improve upon existing products.

PSHE

It's my Body: your body is your own, the importance of sleep, taking care of our changing bodies, harmful substances, positive body image, healthy choices.

Periods: understanding what periods are and how they affect the female body.

Aiming High: achieving goals, positive attitude, future opportunities, equal opportunities, skills for work, achieving our future goals.

MFL (Spanish)

Write short texts on familiar topics.

Use grammar knowledge to change the meaning of phrases. Use dictionaries to check words.

Include imaginative and adventurous word choices.

Refer to recent experiences and future plans as well as everyday activities and interests.

Vary language and give extended responses.

Give detailed accounts of the customs, history and culture of Spanish speaking countries.

History – The Vikings

Describe the main changes in a period of history. Use evidence to deduce information about the past. Select suitable sources of evidence. Understand that no single source of evidence gives the full answer.

Compare times studied with other areas of interest in the world. Describe the characteristic features of the past including ideas, beliefs, attitudes and experiences.

Understand continuity and change over time, representing them on a timeline. Use dates and terms accurately in describing events. Use appropriate historical vocabulary to communicate.

Art and Design

Developing ideas: collect and present ideas in a sketch book.

Painting: develop a personal style of painting, create a colour palate based on ideas observed in the world, combine colours, tones and tints to enhance the mood of a piece, use brush strokes to create texture.

Sculpture: show life-like qualities and proportions, use tools, use frameworks.

Computing

Coding: set IF conditions, change the position of objects between screen layers, upload sounds from a file, use IF THEN ELSE to control events or objects. Use the Boolean operators to define conditions. Use the reporter operators to perform calculations.

Communicate: choose the most suitable devices for communication.

Connect: give examples of the risks of online communities, understand the effect of online comments, understand the rules around copyright.

P.E.

Games: use forehand and backhand in racket games. Field, defend and attack. Choose the most appropriate tactics. Uphold the spirit of fair play.

Athletics: combine sprinting with low hurdles. Choose the best pace for running various distances. Throw accurately and refine performance. Show control in take off and landing. Compete with others.

Music

Sing or play from memory. Sing or play expressively. Hold a part within a round. Sing a harmony part. Perform with controlled breathing and skilful playing. Create songs with verses and a chorus. Create rhythmic patterns. Combine a variety of musical devices. Convey the relationship between the lyrics and melody. Read and create notes on the musical stave. Understand the treble and bass clefs. Use and understand simple time signatures. Choose from a range of vocabulary. Understand how lyrics often represent the cultural context of music.