

PRIMARY TOPIC PLANNER – Year 6

HISTORY

- Know and understand the history of the British Isles as a chronological narrative.
- Know how people's lives have shaped this nation and how Britain has influenced the wider world.
- Gain and deploy a historically grounded understanding of abstract terms such as empire, civilisation, parliament and peasantry.
- Understand concepts such as continuity and change, cause and consequences, similarity and difference etc.
- To frame historically valid questions and create written accounts, narratives and analysis.
- Understand methods of historical enquiry, including how evidence is used to make historical claims.

GEOGRAPHY

- To interpret a range of sources of geographical information including maps, diagrams, aerial photos, ordnance survey and globes.

COMPUTING

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

PSHCE

- New beginnings.
- Getting on and falling out.
- Say no to bullying; anti bullying week.
- Myself and my relationship.
- Healthy and Safer Lifestyles.
- Family and Friends.

THE ARTS (ART/DT/MUSIC)

Art

- To produce creative work, explore ideas and record experiences.
- To become proficient at drawing, painting and other art, craft and design techniques.
- To know about great artists, craft people and designers and understand the historical and cultural relevance of art forms.

DT

- To develop the creative, technical and practical expertise needed to perform everyday tasks.
- To participate successfully in an increasingly technological world.
- Build and apply a repertoire of knowledge, understanding and skills in order to design and make prototypes and products.

Music

- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.
- Improvise and compose music for a range of purposes using the inter-related dimensions of music.
- Listen with attention to detail and recall sounds with increasing aural memory
- Use and understand staff and other musical notations.
- Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.
- Develop an understanding of the history of music.

Autumn B Topic 2020 Battle of Britain and World War II

ECO

- Make and mend – windfall apples.

FRENCH

- To use and respond to the foreign language.
- To listen carefully in order to discriminate sounds, identify meaning and develop auditory awareness.
- To use correct pronunciation and intonation.
- To ask and answer questions.

RE/CULTURE STUDIES

- To explain how Hindism was founded.
- To name the main Hindu deities and symbols.
- To retell the stories.
- To understand the significance of light in religion.

SCIENCE

- Recognise that light appears to travel in straight lines.
- Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.
- Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.
- Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.
- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.
- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.
- Describe the ways in which nutrients and water are transported within animals, including humans.

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ENGLISH

Spoken Language

- Listen and respond appropriately to adults and their peers.
- Ask relevant questions to extend their understanding and knowledge.
- Use relevant strategies to build their vocabulary.
- Articulate and justify answers, arguments and opinions.
- Give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings.
- Maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments.
- Use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas.
- Speak audibly and fluently with an increasing command of Standard English.
- Participate in discussions, presentations, performances, role play, improvisations and debates.
- Gain, maintain and monitor the interest of the listener(s).
- Consider and evaluate different viewpoints, attending to and building on the contributions of others.
- Select and use appropriate registers for effective communication.

Reading

- Continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks.
- Reading books that are structured in different ways and reading for a range of purposes.
- Increasing their familiarity with a wide range of books, including myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions.
- Recommending books that they have read to their peers, giving reasons for their choices.
- Identifying and discussing themes and conventions in and across a wide range of writing.
- Making comparisons within and across books.
- Learning a wider range of poetry by heart.
- Preparing 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.
- Checking that the book makes sense to them, discussing their understanding and exploring the meaning of words in context.
- Asking questions to improve their understanding.
- Drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.
- Predicting what might happen from details stated and implied.
- Summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas.
- Identifying how language, structure and presentation contribute to meaning.
- Add clauses to extend sentences.
- Use commas appropriately between clauses.

ENGLISH

Planning Writing

- Identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own.
- Noting and developing initial ideas, drawing on reading and research where necessary.
- In writing narratives, considering how authors have developed characters and settings in what pupils have read, listened to or seen performed.

Writing

- Selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning.
- In narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action.
- Précising longer passages.
- Using a wide range of devices to build cohesion within and across paragraphs.
- Using further organisational and presentational devices to structure text and to guide the reader [for example, headings, bullet points, underlining].

Editing

- Assessing the effectiveness of their own and others' writing.
- Proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning.
- Ensuring the consistent and correct use of tense throughout a piece of writing.
- Ensuring correct subject and verb agreement when using singular and plural, distinguishing between the language of speech and writing and choosing the appropriate register.
- Proof-read for spelling and punctuation errors.
- Perform their own compositions, using appropriate intonation, volume, and movement so that meaning is clear.

ENGLISH

Grammar and Punctuation

- Recognising vocabulary and structures that are appropriate for formal speech and writing, including subjunctive forms.
- Using passive verbs to affect the presentation of information in a sentence.
- Using the perfect form of verbs to mark relationships of time and cause.
- Using expanded noun phrases to convey complicated information concisely.
- Using modal verbs or adverbs to indicate degrees of possibility.
- Using relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun.
- Using commas to clarify meaning or avoid ambiguity in writing.
- Using hyphens to avoid ambiguity.
- Using brackets, dashes or commas to indicate parenthesis.
- Using semi-colons, colons or dashes to mark boundaries between independent clauses.
- Using a colon to introduce a list.
- Punctuating bullet points consistently.

Spelling

- Use further prefixes and suffixes and understand the guidance for adding them.
- Spell some words with 'silent' letters [for example, knight, psalm, solemn].
- Continue to distinguish between homophones and other words which are often confused.
- Use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1.
- Use dictionaries to check the spelling and meaning of words.
- Use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary.
- Use a thesaurus.

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MATHEMATICS

- Read, write and compare 6-digit numbers and know what each digit represents; read, write and compare 1-, 2- and 3-place decimal numbers; multiply and divide by 10, 100 and 1000; round decimals to nearest tenth and whole number and place on a number line; convert decimals (up to 3 places) to fractions and vice-versa.
- Use mental addition strategies to solve additions including decimal numbers; use column addition to add 5-digit numbers, decimal numbers and amounts of money; solve problems involving number up to 3 decimal places, choose an appropriate method to solve decimal addition.
- Express missing number problems algebraically and find pairs of numbers that satisfy equations involving two unknowns; find missing lengths and angles; understand how brackets can be used in calculation problems; use knowledge of the order of operations to carry out calculations involving the four operations, solve addition and subtraction multi-step problems using knowledge of the order of operations.
- Convert between grams and kilograms, millilitres and litres, millimetres and centimetres, centimetres and metres, metres and kilometres, and miles and kilometres; revise reading the 24-hour clock and convert 12-hour times to 24-hour; read and write Roman numerals; find time intervals using the 24-hour clock.
- Use mental addition, column subtraction and Counting up to solve subtractions of amounts of money and word problems; use mathematical reasoning to investigate.
- Use mental multiplication strategies to multiply by numbers such as 4, 8, 5, 25, 19, 29 and 99; revise using short multiplication to multiply 4-digit numbers by 1-digit numbers and use this to multiply amounts of money; solve word problems involving multiplication including two-step problems and finding change; use long multiplication to multiply 3-digit and 4-digit numbers by teens numbers.

MATHEMATICS

- Understand negative numbers; calculate small differences between negative numbers and negative and positive numbers; add and subtract negative numbers; compare fractions with unlike, but related, denominators; correctly use the terms fraction, denominator and numerator; understand what improper fractions and mixed numbers are and add fractions with the same denominator, writing the answer as a mixed number.
- Calculate the perimeter, area and volume of shapes, and know their units of measurement; understand that shapes can have the same perimeters but different areas and vice versa; calculate the area of a triangle using the formula $A = \frac{1}{2} b \times h$; find the area of parallelograms using the formula $A = b \times h$; name and describe properties of 3D shapes; systematically find and compare nets for different 3D shapes.
- Use mental strategies to divide by 2, 4, 8, 5, 20 and 25; find non-unit fractions of amounts; use short division to divide 3- and 4-digit numbers by 1-digit numbers, including those which leave a remainder; express a remainder as a fraction, simplifying where possible.
- Add and subtract unit fractions with different denominators including mixed numbers; use mental strategies to find simple percentages of amounts, including money.
- Multiply fractions less than 1 by whole numbers, converting improper fractions to whole numbers; use commutativity to efficiently multiply fractions by whole numbers; divide unit and non-unit fractions by whole numbers; solve word problems involving fractions.