

Revision Topics Year 6

Science

Keeping Healthy

- effect of diet, exercise, and lifestyle on the body
- food pyramid
- human circulatory system
- transportation of nutrients and water through the body
- functions of the heart, blood vessels and blood.

Classifying Organisms

- classify living things into groups including micro-organisms, plants and animals.
- reasons for classifying plants and animals based on specific characteristics.
- classification keys

Inheritance

- fossils
- living things have changed over time (adapted)
- inherited features of organisms
- environmental features of organisms
- animal and plant adaption to suit their environment

Light

- travels in straight lines.
- how we see objects -light travels from light sources to our eyes or from light sources, to objects, to our eyes.
- opaque, translucent , transparent
- draw light ray diagrams to show how we see
- Shadows - how they are formed, why are they the same shape as the object?
- reflection

Electricity

- circuits - how they function and vary, draw using symbols
- voltage of cells connected to brightness of lamps and volume of buzzers

Investigations and developing scientific enquiry

- predictions
- reading graphs and data - show results and conclusions
- fair testing and variables

English

Reading

- deduction and inference in reading comprehension (fiction and non-fiction texts)
- skimming and scanning text to retrieve information
- use PEE - "point, evidence and explain" to answer longer questions
- identify how language and structure contributes to meaning
- placing events of a text in chronological order
- identifying fact & opinions & true and false statements
- give your own opinion using evidence from the text

Grammar:

- use of punctuation - question marks, exclamation marks, commas, brackets, dashes, colons, semi-colons
- types of sentences - exclamations, questions, statements, commands
- apostrophes - for possession e.g. Hessa's pen and contraction e.g. can't
- active and passive voice
- all verbs -regular and irregular tense
- modal verbs to indicate degree of possibility e.g. might, should, must
- synonyms (words of similar meaning) and antonyms (words of opposite meaning)
- clauses - main, subordinate & relative
- subject and object of a sentence
- prepositions
- inverted commas for speech
- determiners - a word that goes before a noun to identify it e.g. a, an, the, one
- informal speech and formal speech
- identification of grammatical structure: verb, noun, proper noun, adjective, adverb, pronouns (relative and possessive)
- conjunctions

Spelling :

- Y5 and 6-word list & homophones
- use prefixes: pre, re,
- use suffixes: ly, able, ably, ibly, ible, al, ial, ation, ous, ant, ance, ancy, ent, ence, ency
- sion and tion
- cial and tial
- cious and sious
- ie and ei
- double consonants
- silent letters
- Prefixes which give opposite meaning- un/dis/mis/anti/non/im/anti
- Root words

Maths

Number and Place Value

- place value by \times and \div by 10, 100, 1000
- negative numbers
- factors
- multiples and primes
- square and cubed

Calculations

- adding and subtracting
- multiplying and dividing
- problem solving - multiple steps
- rounding and estimating

Ratio and Proportion

Algebra

Measurement

- length and distance
- weight and Mass
- area and Volume
- money
- time

Geometry

- 2D/3D shapes
- symmetry
- lines and angles
- position and direction
- coordinates

Statistics

- tables, graphs and charts
- averages
- probability

Arithmetic

- Basic calculations using the standard methods

Fractions, Decimals and Percentages

- fractions of numbers
- adding, subtracting, dividing and multiplication of fractions

- percentages of number, finding the percentage from numbers
- decimals - understanding the place value
- decimals using the four operations
- Converting between fractions/percentages/decimals

Reasoning

- understand word problems and apply their understanding of the different aspects of Maths.
- use all four methods
- explain about their calculations using correct language and providing evidence.
- fractions and percentages within word problems.
- interpret diagrams/charts/pie charts giving reasons for their answers.
- compare between measures/charts/scales etc.
- add additional information to bar charts/line graphs.
- Shape problems including transformation.
- read and plot co-ordinates in all four quadrants.
- use the inverse to find missing values

Websites to help

English

http://www.bbc.co.uk/bitesize/ks2/english/spelling_grammar/

<http://www.grammar-monster.com/>

Maths

<https://www.mymaths.co.uk/>

<https://www.bbc.com/education/subjects/z826n39>

Please use this QR code to access a revision maths booklet to help you:



