

## Revision Topics Year 5

### Science:

#### Earth and Space:

- planets
- night and day
- seasons
- moon phases
- shadows

#### Forces:

- gravity
- push and pull forces
- air resistance
- water resistance
- friction
- levers
- gears

#### Living Things and Their Habitats:

- life cycles of plants
- germination
- growth
- pollination
- fertilisation
- seed dispersal
- animal life cycles
- classifying vertebrates and invertebrates

#### Changes:

- changes in the life cycles of certain insects
- mammals
- reptiles and birds
- human life cycle
- changes in a girl's body due to puberty

### **Properties and changes of material:**

- states of matter, changing states
- separating mixtures and solutions
- comparing and grouping materials based on properties

### **Investigations and developing scientific enquiry:**

- fair testing
- predictions
- resources
- variables
- results
- conclusions

### **English:**

#### **Reading:**

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

#### **Writing, Grammar and Punctuation:**

- spelling of high frequency words
- up levelling vocabulary
- verb tenses
- adding adjectives
- adverbs
- adjective phrases and adverbial clauses
- using dialogue in narratives correctly (SPEAC rules)
- punctuation used correctly in paragraphs
- openers
- conjunctions / connectives
- complex sentences
- use of punctuation - question marks, exclamation marks, commas, brackets, dashes.
- types of sentences - exclamations, questions, statements, commands
- apostrophes - for possession e.g. Hessa's pen and contraction e.g. can't

- 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)
- subject and object of a sentence
- prepositions
- determiners - a word that goes before a noun to identify it e.g. a, an, the, one

## **Maths:**

### **Number and Place Value**

- place value to 1,000,000
- rounding whole numbers
- continuing sequences
- multiples, factors and primes
- square numbers and cube numbers
- Roman numerals

### **Calculations and measures**

- formal method for addition, subtraction, multiplying, dividing
- calculating with decimals
- estimating on number lines
- negative numbers
- multi-step word problems
- calculating with money using the four rules
- reading scales
- converting and measuring length, capacity, mass and volume
- telling the time and time durations

### **Fractions, decimals and percentages**

- fractions, decimals and percentage relationships
- rounding decimals number lines, equivalent fractions, fractions of amounts, adding, subtracting, multiplying and dividing fractions, converting mixed numbers and improper fractions

### **Geometry**

- properties of 2D and 3D shapes
- draw and measure angles
- estimate and name angles
- drawing shapes, nets, symmetry, translation.
- area and perimeter
- coordinates

## **Statistics**

- Carroll diagrams, Venn diagrams for sorting
- reading graphs, tables and charts for information

## **Useful websites:**

### **English:**

<http://www.crickweb.co.uk/ks2literacy.html>

<http://www.primarygames.com/reading.php>

### **Maths:**

[www.topmarks.co.uk](http://www.topmarks.co.uk)

[www.ictgames.com](http://www.ictgames.com)

[www.crickweb.co.uk/ks2numeracy.html](http://www.crickweb.co.uk/ks2numeracy.html)