



## Autumn Term Class 4



Enquiry Question: Who is responsible for the world?

Responsibility

Key concepts

Fairness

Choice

Consequence

### Curriculum

Welcome to an amazing Autumn Term in Class 4. Packed full of inspiring learning opportunities, a new project enquiry question and thought-provoking discussions, we aim to broaden the children's understanding of the world around them.

#### Literacy

- Short Story based on The Lorax – a tale of tragedy and greed. A look into initial benefits of actions without thought and consideration for the wider impacts of our actions.
- Formal letter written by 'The Lorax' to the Environment secretary – George Eustice.
- Setting descriptions – contrasting scenes pre and post environmental damage. Studies of different environmental disasters i.e. Chernobyl, Torrey Canyon, wildfires etc but also a look at the environment left untouched i.e. The Amazon rainforest, Barrier Reefs etc.
- Speeches - analysis of speeches by Greta Thunberg. Children to write their own speech about an environmental issue.

#### Maths

- Number – Place Value Read, write, order and compare numbers to at least 1000000 and determine the value of each digit. Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit. Count forwards or backwards in steps of powers of 10 for any given number up to 1000000. Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero. Use negative numbers in context, and calculate intervals across zero. Round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000 Round any whole number to a required degree of accuracy. Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.
- Number- Addition and Subtraction Add and subtract numbers mentally with increasingly large numbers. Perform mental calculations, including with mixed operations and large numbers. Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Number – multiplication and division Multiply and divide numbers mentally drawing upon known facts. Multiply and divide whole numbers by 10, 100 and 1000. Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. Identify common factors, common multiples and prime numbers. Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers. Multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication. Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context. Divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding as appropriate for the context. Divide numbers up to 4 digits by a 2-digit number using the formal written method of short division, interpreting remainders according to the context. Use their knowledge of the order of operations to carry out calculations involving the four operations. Solve problems involving addition and subtraction, multiplication and division and a combination of these.

### Science

- Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.
- Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.
- Describe the ways in which nutrients and water are transported within animals, including humans.
- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
- Understand the life processes and reproduction in some plants and animals.
- Describe the changes as humans develop to old age.

### Other curriculum areas

- History: An aspect of local history
  - a study over time tracing how several aspects of national history are reflected in the locality.
  - a non-European society that provides contrasts with British history - one study chosen from - early Islamic civilization, including a study of Baghdad c. AD 900.
- Geography: use the 8 points of a compass, 4 and 6-figure grid references, symbols and key to build their knowledge of the United Kingdom and the wider world.
- Geography: Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods.
- Art: Andy Goldsworthy – resources taken from nature.
- Art: Clay sculpting - ReChang Tsang and Lorien Stern.
- Art: Henri Rousseau jungle and foliage study.
- Music: Improvise and compose music for a range of purpose.
- Music: Listen with attention to detail and recall sounds with increasing aural memory.
- Computing: use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
- Computing: use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content.
- PE: Tae Kwon Do and handball

### Intended Outcome

Children to learn and develop skills that will enable them to access discussion, motivate them as learners and prepare them for key issues they may face in the future.

### Important diary dates:

23/09/21: Summercourt RE Day  
27/09/21: Summercourt Fair Day (school closed)  
22/10/21: Last day of Autumn Term 1  
25/10/21: Half Term Holidays  
01/11/21: Inset Day  
02/11/21: Start of Autumn Term 2

### Project Launch Day

10.9.21 – Class 4's Great Bug and Insect Hunt



This overview is to be used as a guide: the learning is flexible at times.