

## Year 4 Term 4 Overview

### Maths

Students will:

- calculate addition and subtraction using a range of mental and written strategies
- recall multiplication and related division facts,
- calculate multiplication and division using a range of mental and written strategies
- solve problems involving the four operations
- use estimation and rounding
- apply mental strategies to add, subtract, multiply and divide two- and three-digit numbers
- count and identify equivalent fractions
- locate fractions on a number line
- read and write decimals
- identify fractions and corresponding decimals
- compare and order decimals (to hundredths).
- calculate change to the nearest five cents
- solve problems involving purchases.
- write questions to collect data
- collect and record data
- display and interpret data

### TECHNOLOGY

#### Digital Technology

Students will explore with EV3's and learn how robots are used in the real world to implement solutions. They will use computational thinking skills to develop a simple understanding of an algorithm to implement solutions to problems using a block-based visual programming language. Students will use this code with sensors to control their EV3 robot to meet a series of driving challenges.

### Health

Students will examine and interpret health information about cyber safety, cyberbullying and online protocols. They will describe and apply strategies that can be used in online situations that make them feel uncomfortable or unsafe. They will explore the importance of demonstrating respect and empathy in online relationships. Students will reflect on young people's use of digital technologies and online communities, and identify resources to support their safety.

### English

Students will:

- take part in Words Their Way Spelling activities
- participate in daily on demand writing tasks
- partake in daily reading activities which incorporate guided reading and QAR
- experience shared, modelled and independent reading

### PCC (Purposefully Connected Curriculum) English and Science

Students will investigate the impact we have on the environment and what our role is in maintaining the survival of an endangered species. They will conduct an inquiry about an endangered animal from either Africa or South America.

In **English** students will write and present a persuasive argument convincing others to help protect a selected endangered animal.

In **Science** students will examine relationships between living things and their dependence on the environment. By considering human and natural changes to the habitats, students will predict the effect of these changes on a particular animal. Students will describe situations where science understanding can influence their own and others' actions.

### HASS

Students will investigate Africa and South America. During this investigation they will locate and record using simple grid references. Students will estimate distances in kilometers using scale and they will represent locations using suitable symbols and add them to the legend on a map.

Students will choose one African and one South American city to find rainfall data for and then create a comparative column graph representing this data. Students will describe the patterns in the data represented in the graph.

Students will interpret data to describe and explain patterns in distribution of rainforests, and explain the relationship between distribution of rainforests and type of climate.

### The ARTS Drama

Students will explore the craft of drama through freeze frames. They will explore drama elements and actions (including posture, gesture and body position) facial expression, levels, focus, role and relationship to other characters. Students will create an entertaining freeze frame that clearly represents a scene and the emotions associated with it.

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