

Year 6 - Semester 2

| Learning area | Unit Summary | |
|---------------------|---|--|
| English | <p>Exploring Literary Texts- Novel Study Students, as authors, create diary entries that inform and explore themes of interpersonal relationships and ethical dilemmas in real-world settings. During the unit, students will listen to, read and view novels to support and extend themselves as independent readers. They will comprehend texts created to engage audiences. Students will identify similarities and differences of characters, settings and events. They will create a diary entry that includes figurative language through the use of vivid and emotive vocabulary and varied sentence structures. They use and vary text structures to organise, develop and link ideas.</p> | <p>Using language to inform and persuade Students, as presenters, will create a persuasive BTN style news report that includes technical information and/or content about a wide range of topics of interest relevant to the school environment. They will engage with a variety of BTN and formal news reports which can be used by students as models for creating their own work. They will create, edit and digitally present a pre-recorded news report detailing their stance on a chosen topic. They use and vary text structures to organise, develop and link ideas. They include topic-specific vocabulary and multimodal features and features of voice.</p> |
| Mathematics | <p>Students will be involved in learning the following mathematical concepts:</p> <ul style="list-style-type: none"> • Number and place value — identify and describe properties of prime, composite, square and triangular numbers, multiply and divide using written methods including a standard algorithm, solve problems involving all four operations with whole numbers, locating and representing positive and negative integers and solving problems involving integers • Fractions and decimals — add and subtract fractions with related denominators, calculate a fraction of a quantity, multiply and divide decimals by powers of ten, add and subtract decimals, multiply decimals by whole numbers, divide numbers that result in tenths and hundredths and solve problems involving fractions and decimals • Money and financial mathematics — connect fractions and percentage, calculate percentages and discounts, calculate discounts of 10%, 25% and 50% on sale items • Patterns and algebra — create and complete sequences involving fractions and decimals, describe the rule used to create the sequence and apply the order of operations to aid calculations when solving problems | <p>Students will be involved in learning the following mathematical concepts:</p> <ul style="list-style-type: none"> • Number and place value — solve problems using the order of operations, solve multiplication and division problems using a written algorithm • Fractions and decimals — add, subtract and multiply decimals; divide decimals by whole numbers; calculate a fraction of a quantity and percentage discount; compare and evaluate shopping options • Patterns and algebra — represent number patterns in a table and graphically, use rules to continue patterns, write a rule to describe a pattern, apply the rule to find the value of unknown terms, solve integer problems, plot coordinates in all four quadrants • Location and transformation — apply translations, reflections and rotations to create symmetrical shapes • Geometric reasoning — measure and describe angles, apply generalisations about angles on a straight line, angles at a point and vertically opposite angles and apply in real-life contexts • Chance — conduct chance experiments; record data in a frequency table; calculate relative frequency; write probability as a fraction, decimal or per cent; compare observed and expected frequencies |
| Science | <p>Physical Science: Exploring Energy and Electricity Students analyse requirements for the transfer of electricity in a circuit and describe how energy can be transformed from one form to another to generate electricity. Use scientific knowledge to assess energy sources selected for a specific purpose.</p> | <p>Chemical Sciences Reversible and irreversible changes Students investigate changes that can be made to materials and how these changes are classified as reversible or irreversible. They plan investigation methods using fair testing to answer questions.</p> |
| HASS | <p><i>This learning area has been taught, assessed and reported on in Semester 1.</i></p> | |
| HPE | <p>Physical Education: Students will practice fundamental movement skills and movement sequences using different body parts. They will participate in games with and without equipment.</p> <hr/> <p>Health: Students will engage in a range of tasks related to cyber safety, wellbeing and growth mindset, healthy food and lifestyle choices and growing and changing.</p> | |
| Technologies | <p>Digital Technology Students will explore and create with Lego Spike. They will use their knowledge and skills of Lego Spike to create a device to support any aspect of home automation</p> | |
| The Arts | <p>Dance Students explain how ideas are communicated in artworks (dance) they make and to which they respond. They work collaboratively to share artworks (dance) for audiences, demonstrating skills and techniques.</p> <hr/> <p>Music: Students will develop their aural skills by exploring and imitating sounds, pitch and rhythm patterns using voice, movement and body percussion. They will be engaged in singing and playing untuned percussion instruments to improvise and practise a repertoire of chants, songs and rhymes.</p> | |