

Woollooin State School Year 6 Curriculum Overview						
Semester 1			Semester 2			
English	<p>Short stories Students listen to and read short stories by different authors. They investigate the ways authors use text structure, language features and strategies to create humorous effects. Students complete a comprehension task about a particular short story and other short stories they have read. They write a short story about a character that faces a conflict. Students also reflect on the writing process when making and explaining editorial choices.</p>	<p>Examining advertising in the media Students explore advertisements in print and digital media. They understand how text features and language combine to persuasive effect. They demonstrate their understanding of advertising texts' persuasive features through written responses to comprehension questions, the creation of their own digital multimodal advertisement and an explanation of creative choices.</p>	<p>Exploring news reports in the media Students listen to, read and view a variety of news reports from television, radio and internet. Students identify and analyse bias and the effectiveness of language devices that represent ideas and events and influence an audience. They create a written response to a news report.</p>	<p>Interpreting literary texts Students investigate extracts from literary texts set in earlier times. They demonstrate their understanding of how the events and characters are created within historical contexts. They create a literary text that establishes time and place for the reader and explores personal experiences.</p>	<p>Exploring literary texts by the same author. Students read novels by the same author to identify language choices and author strategies used to influence the reader. They will compare two novels by the same author to identify aspects of author style. Students will prepare a response analysing author style in the novel, and participate in a panel discussion.</p>	<p>Comparing texts. Students analyse literary and informative texts on the same topic. Students explore and evaluate how topics and messages are conveyed through both literary (imaginative) and informative texts, including digital texts. Students identify the author's purpose and analyse similarities and differences in texts. They compare and analyse the effectiveness of each text in its ability to deliver a message. They write arguments persuading others to a particular point of view using specific structural and language features studied during the unit. Students transform an informative text into a literary text for younger audiences.</p>
	<p>Number and place value Identify and describe properties of prime and composite numbers, and select and apply mental and written strategies to problems involving all four operations.</p> <p>Fractions and decimals Order and compare fractions with related denominators, add and subtract fractions with related denominators, calculate the fraction of a given quantity, and solve problems involving the addition and subtraction of fractions.</p> <p>Chance - Represent the probability of outcomes as a fraction or decimal and conduct chance experiments. • Money and financial mathematics - investigate and calculate percentage discounts of 10%, 25% and 50% on sale items.</p> <p>Measurement - solve problems involving the comparison of lengths and areas, and interpret and use timetables.</p> <p>Data representation and interpretation - Revise different types of data displays, interpret data displays, investigate the similarities and differences between different data displays, identify the purpose and use of different displays, and identify the difference between categorical and numerical data.</p>	<p>Number and place value Select and apply mental and written strategies and digital technologies to solve problems involving multiplication and division with whole numbers, and identify, describe and continue square and triangular numbers.</p> <p>Fractions and decimals - apply mental and written strategies to add and subtract decimals, solve problems involving decimals, make generalisations about multiplying whole numbers and decimals by 10, 100 and 1 000, apply mental and written strategies to multiply decimals by one-digit whole numbers, and locate, order and compare fractions with related denominators and locate them on a number line.</p> <p>Patterns and algebra - continue and create sequences involving whole numbers and decimals, describe the rule used to create these sequences and explore the use of order of operations to perform calculations.</p> <p>Measurement - make connections between volume and capacity.</p> <p>Shape - problem-solve and reason to create nets and construct models of simple prisms and pyramids.</p> <p>Geometric reasoning - make generalisations about angles on a straight line, angles at a point and vertically opposite angles, and use these generalisations to find unknown angles.</p>	<p>Financial mathematics - Connect fractions and percentage, calculate percentages and discounts, calculate discounts of 10%, 25% and 50% on sale items.</p> <p>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.</p> <p>Location and transformation Identify the four quadrants on a Cartesian plane, plot and locate ordered pairs in all four quadrants, applying one-step transformation and describe the effect of combinations of translations, reflections and rotations.</p> <p>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> <p>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.</p> <p>Measurement Connect decimals to the metric system, convert between units of measure, comparing length, solve problems involving length and area, and connect volume and capacity.</p>	<p>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.</p> <p>Patterns and algebra and Number and place value 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, solve problems using the order of operations, and solve multiplication and division problems using a written algorithm.</p> <p>Measurement - Interpret and use timetables • Location and transformation - apply translations, reflections and rotations to create symmetrical shapes.</p> <p>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.</p> <p>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.</p> <p>Data representation and interpretation compare primary and secondary data, source secondary data, explore data displays in the media, identify how displays can be misleading, represent data from a chance experiment, problem solve and reason by interpreting secondary data.</p>		
Mathematics						

Science	<p>Making changes Investigate changes that can be made to materials and how these changes are classified as reversible or irreversible. Plan investigation methods using fair testing to answer questions. Identify and assess risks, make observations, accurately record data and develop explanations. Suggest improvements, which can be made to their methods to improve investigations. Explore the effects of reversible and irreversible changes in everyday materials and how this scientific understanding is used to solve problems that directly affect people's lives.</p>	<p>Energy and electricity Investigate electrical circuits as a means of transferring and transforming electricity. Design and construct electrical circuits to make observations, develop explanations and perform specific tasks, using materials and equipment safely. Explore how energy from a variety of sources can be used to generate electricity and identify energy transformations associated with different methods of electricity production. Identify where scientific understanding and discoveries related to the production and use of electricity have affected people's lives and evaluate personal and community decisions related to use of different energy sources and their sustainability.</p>	<p>Our changing world Explore how sudden geological changes and extreme weather events can affect Earth's surface. Consider the effects of earthquakes and volcanoes on Earth's surface and how communities are affected by these events. Gather, record and interpret data relating to weather and weather events. Explore the ways in which scientists are assisted by the observations of people from other cultures, including those throughout Asia. Construct representations of cyclones and evaluate community and personal decisions related to preparation for natural disasters</p>	<p>Life on Earth e Explore the environmental conditions that affect the growth and survival of living things. Use simulations to plan and conduct fair tests and analyse the results of these tests. Pose questions, plan and conduct investigations into the environmental factors that affect the growth of living things. Gather, record and interpret observations relating to their investigations. Consider human impact on the environment and how science knowledge can be used to inform personal and community decisions. Recommend actions to develop environments for native plants and animals.</p>
HASS	<p>How have key figures, events and values shaped Australian society, its system of government and citizenship? <ul style="list-style-type: none"> Examine the key figures, events and ideas that led to Australia's Federation and Constitution and recognise the contribution of individuals and groups. Investigate the key institutions, people and processes of Australia's democratic and legal system How have experiences of democracy and citizenship differed between groups over time and place, including those from and in Asia? Recognise the responsibilities of electors and representatives in Australia's democracy and consider the shared values, right and responsibilities of Australian citizenship and obligations that people may have as global citizens Identify different points of view and solutions to an issue and generate alternative responses to an issue, use criteria to make decisions and identify the advantages and disadvantages of preferring one decision over others <p>How do places, people and cultures differ across the world? <ul style="list-style-type: none"> Examine the geographical diversity of the Asia region and the location of its major countries in relation to Australia Investigate differences in the economic, demographic and social characteristics of countries across the world and consider the world's cultural diversity, including that of its indigenous people Identify Australia's connections with other countries and organise and represent data in large- and small-scale maps using appropriate conventions Interpret data to identify, describe and compare distributions, patterns and trends in the diverse characteristics of places and present ideas, viewpoints and conclusions in multiple formats. </p> </p>		<p>How do Australia's global connections influence my role as a global citizen? <ul style="list-style-type: none"> Identify how Australia's connections with other countries change people and places and the effects that people's connections with, and proximity to, places throughout the world have on shaping their awareness and opinion of those places Develop appropriate questions to frame an investigation and locate and collect useful data and information from primary and secondary sources Organise and represent data in a range of formats, using appropriate conventions and interpret data to identify, patterns and trends, and to infer relationships Identify different points of view and solutions to an issue and reflect on their learning to propose action in response to an issue or challenge and describe the probable effects of their proposal <p>Inquiry questions: How can resources be used to benefit individuals, the community and the environment? <ul style="list-style-type: none"> Investigate a familiar community or regional economics or business issue that may affect the individual or the local community Examine how the concept of opportunity cost involves choices about the alternative use of resources and the need to consider trade-offs Identify the effect that consumer and financial decisions can have on the individual, the broader community and the environment and recognise the reasons businesses exist and the different ways they provide goods and services Present ideas, findings, viewpoints and conclusions in a range of communication forms that incorporate source materials, communication conventions and discipline-specific terms.</p> </p>	
ARTS	<p>Students explore the way the world is represented by artists as well as continue to develop their own understandings and experiences. They further develop their technical skills and explore how others create artworks. Typically, students will:</p> <ul style="list-style-type: none"> Dance, dance using balance and coordination, by following a set of steps Drama, rehearse and perform a variety of plays, using expression to engage an audience Media Arts, explore, plan and produce media artworks such as advertisements 		<ul style="list-style-type: none"> Music, rehearse, sing and perform music with rhythm and pitch Visual Arts, explore why artists create artworks and whom the artworks are created for. 	
Technologies	<p>Students use design processes to produce solutions. They further develop their knowledge and understanding of digital systems and data; they improve their computational thinking. Typically, students will: Design and Technologies - use materials or technologies when designing, producing and evaluating solutions, for example, (a plan for a new kitchen garden) represent ideas and solutions in a variety of ways, such as sketches and models develop plans to complete tasks Digital Technologies - use simple coding to develop and evaluate digital solutions, such as games or quizzes act to ensure their personal safety when engaging online collect, interpret and manage a range of data, using digital systems.</p>			
HPE	<p>Students become even more connected with their peers and the world around them. They learn what influences them, how relationships change over time and how to promote health. They develop more complex movement skills. Typically, students will:</p> <ul style="list-style-type: none"> learn skills for coping with puberty learn skills to establish and manage respectful relationships, including dealing with friendships understand how media and important people in their lives influence them experience and learn about roles and responsibilities in teams <p>develop their ability to participate in outdoor activities and learn how this can support wellbeing</p>		<ul style="list-style-type: none"> learn how to find out places they can get reliable information or help about health, safety and wellbeing develop more specialised skills for games, sports and other physical activities, and play games from their own and other cultures. 	