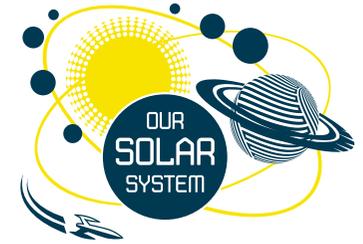


Our Solar System

Curriculum Links

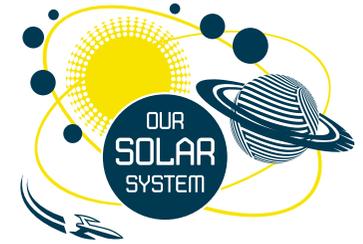


The table below outlines the Australian Curriculum links to Science, Mathematics and English for the “Our Solar System” unit of work and supporting cross-curricular lesson ideas. Links to other learning areas can be made (particularly to Technologies and The Arts) depending on the direction this unit takes in your classroom.

Year level	Learning Area		
	Science	Mathematics	English
Year 3	<p>Earth’s rotation on its axis causes regular changes, including night and day. (ACSSU048)</p> <p>Science involves making predictions and describing patterns and relationships. (ACSHE050)</p> <p>Represent and communicate ideas and findings in a variety of ways such as diagrams, physical representations and simple reports. (AC SIS060)</p>	<p>Measure, order and compare objects using familiar metric units of length, mass and capacity. (ACMMG061)</p> <p>Collect data, organise into categories and create displays using lists, tables, picture graphs and simple column graphs, with and without the use of digital technologies. (ACMSP069)</p>	<p>Understand that successful cooperation with others depends on shared use of social conventions, including turn-taking patterns, and forms of address that vary according to the degree of formality in social situations. (ACELA1476)</p> <p>Identify the features of online texts that enhance navigation. (ACELA1790)</p>



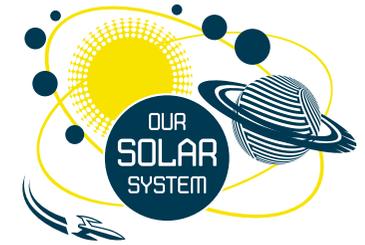
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Year level	Learning Area		
	Science	Mathematics	English
Year 3 (cont.)			<p>Use interaction skills, including active listening behaviours and communicate in a clear, coherent manner using a variety of everyday and learned vocabulary and appropriate tone, pace, pitch and volume. (ACELY1792)</p> <p>Plan and deliver short presentations, providing some key details in logical sequence. (ACELY1677)</p> <p>Use comprehension strategies to build literal and inferred meaning and begin to evaluate texts by drawing on a growing knowledge of context, text structures and language features. (ACELY1680)</p>



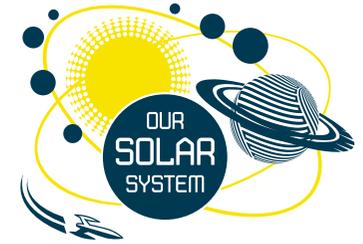
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Year level	Learning Area		
	Science	Mathematics	English
Year 4	<p>Represent and communicate ideas and findings in a variety of ways such as diagrams, physical representations and simple reports. (AC SIS071)</p> <p>Use a range of methods including tables and simple column graphs to represent data and to identify patterns and trends. (AC SIS068)</p> <p>Suggest ways to plan and conduct investigations to find answers to questions. (AC SIS065)</p>	<p>Use scaled instruments to measure and compare lengths, masses, capacities and temperatures. (AC MMG084)</p> <p>Recall multiplication facts up to 10×10 and related division facts. (AC MNA075)</p>	<p>Identify features of online texts that enhance readability including text, navigation, links, graphics and layout. (AC ELA1793)</p> <p>Incorporate new vocabulary from a range of sources into students' own texts including vocabulary encountered in research. (AC ELA1498)</p> <p>Use interaction skills such as acknowledging another's point of view and linking students' response to the topic, using familiar and new vocabulary and a range of vocal effects such as tone, pace, pitch and volume to speak clearly and coherently. (AC ELY1688)</p>



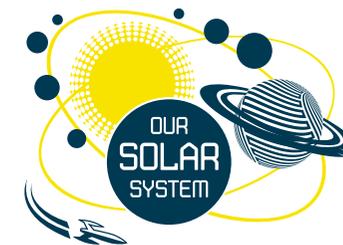
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Year level	Learning Area		
	Science	Mathematics	English
Year 4 (cont.)			<p>Plan, rehearse and deliver presentations incorporating learned content and taking into account the particular purposes and audiences. (ACELY1689)</p> <p>Read different types of texts by combining contextual, semantic, grammatical and phonic knowledge using text processing strategies for example monitoring meaning, cross checking and reviewing. (ACELY1691)</p> <p>Use comprehension strategies to build literal and inferred meaning to expand content knowledge, integrating and linking ideas and analysing and evaluating texts. (ACELY1692)</p>



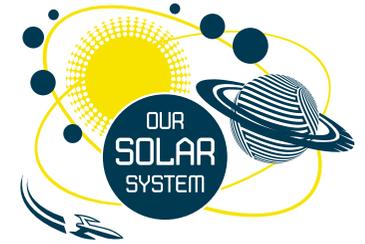
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Year level	Learning Area		
	Science	Mathematics	English
Year 5	<p>The Earth is part of a system of planets orbiting around a star (the Sun). (ACSSU078)</p> <p>Important contributions to the advancement of science have been made by people from a range of cultures. (ACSHE082)</p> <p>Science involves testing predictions by gathering data and using evidence to develop explanations of events and phenomena. (ACSHE081)</p> <p>Communicate ideas, explanations and processes in a variety of ways, including multi-modal texts. (AC SIS093)</p>	<p>Use efficient mental and written strategies and apply appropriate digital technologies to solve problems. (ACMNA291)</p> <p>Choose appropriate units of measurement for length, area, volume, capacity and mass. (ACMMG108)</p>	<p>Investigate how the organisation of texts into chapters, headings, subheadings, home pages and subpages for online texts and according to chronology or topic can be used to predict content and assist navigation. (ACELA1797)</p> <p>Plan, rehearse and deliver presentations for defined audiences and purposes incorporating accurate and sequenced content and multimodal elements. (ACELY1700)</p>



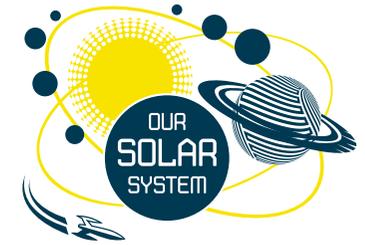
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Year level	Learning Area		
	Science	Mathematics	English
Year 5 (cont.)			<p>Navigate and read texts for specific purposes applying appropriate text processing strategies, for example predicting and confirming, monitoring meaning, skimming and scanning. (ACELY1702)</p> <p>Use comprehension strategies to analyse information, integrating and linking ideas from a variety of print and digital sources. (ACELY1703)</p>



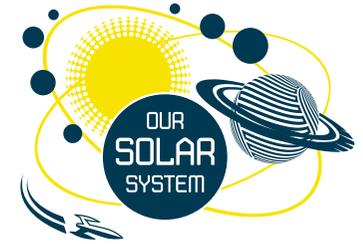
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Year level	Learning Area		
	Science	Mathematics	English
Year 6	<p>Communicate ideas, explanations and processes in a variety of ways, including multi-modal texts. (AC SIS110)</p> <p>Construct and use a range of representations, including tables and graphs, to represent and describe observations, patterns or relationships in data using digital technologies as appropriate. (AC SIS107)</p>	<p>Select and apply efficient mental and written strategies and appropriate digital technologies to solve problems involving all four operations with whole numbers. (AC MNA123)</p> <p>Investigate everyday situations that use integers. Locate and represent these numbers on a number line. (AC MNA124)</p> <p>Convert between common metric units of length, mass and capacity. (AC M MG136)</p>	<p>Use interaction skills, varying conventions of spoken interactions such as voice volume, tone, pitch and pace, according to group size, formality of interaction and needs and expertise of the audience. (AC ELY1816)</p> <p>Plan, rehearse and deliver presentations, selecting and sequencing appropriate content and multimodal elements for defined audiences and purposes, making appropriate choices for modality and emphasis. (AC ELY1710)</p>



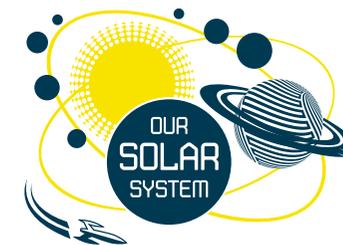
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Year level	Learning Area		
	Science	Mathematics	English
Year 6 (cont.)	<p>Construct and use a range of representations, including tables and graphs, to represent and describe observations, patterns or relationships in data using digital technologies as appropriate. (AC SIS107)</p>		<p>Select, navigate and read texts for a range of purposes, applying appropriate text processing strategies and interpreting structural features, for example table of contents, glossary, chapters, headings and subheadings. (ACELY1712)</p> <p>Use comprehension strategies to interpret and analyse information and ideas, comparing content from a variety of textual sources including media and digital texts. (ACELY1713)</p>



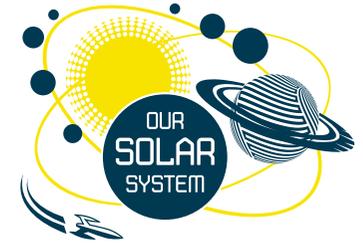
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Year level	Learning Area		
	Science	Mathematics	English
Year 7	<p>Predictable phenomena on Earth, including seasons and eclipses, are caused by the relative positions of the Sun, Earth and the Moon. (ACSSU115)</p> <p>Scientific knowledge changes as new evidence becomes available, and some scientific discoveries have significantly changed people's understanding of the world. (ACSHE119)</p> <p>Communicate ideas, findings and solutions to problems using scientific language and representations using digital technologies as appropriate. (AC SIS133)</p>	<p>Compare, order, add and subtract integers. (ACMNA280)</p> <p>Express one quantity as a fraction of another, with and without the use of digital technologies. (ACMNA155)</p> <p>Connect fractions, decimals and percentages and carry out simple conversions. (ACMNA157)</p> <p>Find percentages of quantities and express one quantity as a percentage of another, with and without digital technologies. (ACMNA158)</p> <p>Recognise and solve problems involving simple ratios. (ACMNA173)</p>	<p>Investigate vocabulary typical of extended and more academic texts and the role of abstract nouns, classification, description and generalisation in building specialised knowledge through language. (ACELA1537)</p> <p>Plan, rehearse and deliver presentations, selecting and sequencing appropriate content and multimodal elements to promote a point of view or enable a new way of seeing. (ACELY1720)</p> <p>Use prior knowledge and text processing strategies to interpret a range of types of texts. (ACELY1722)</p>



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Year level	Learning Area		
	Science	Mathematics	English
Year 7 (cont.)			Use comprehension strategies to interpret, analyse and synthesise ideas and information, critiquing ideas and issues from a variety of textual sources. (ACELY1723)

