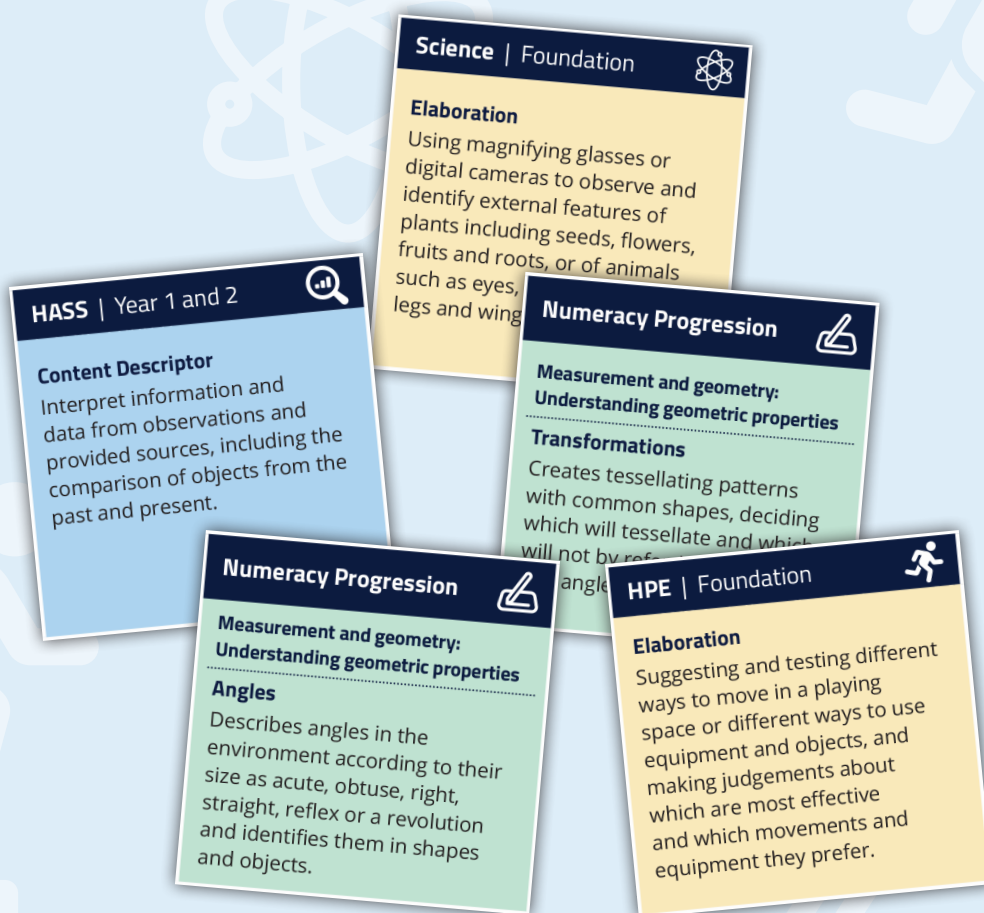


Resource 2

Activity 2: Curriculum jigsaw card sets



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Key

Blue: Content Descriptors

Yellow: Elaborations

Green: Numeracy Progressions

HASS | Foundation

HASS Foundation	HASS Foundation	HASS Foundation	HASS Foundation
Content Descriptor Sort and record information including pictorial timelines and locations on pictorial maps or models.	Elaboration Identifying features on a provided pictorial map or oblique aerial photograph of a familiar place and linking the representation of specific features to pictures they have drawn of those features.	Elaboration Sorting and displaying sources and creating pictorial timelines.	Measurement and geometry: Measuring time Sequencing time Measures time duration by counting and using informal units.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Measuring time Sequencing time Uses the language of time to describe events in relation to past, present and future.	Measurement and geometry: Measuring time Sequencing time Applies an understanding of passage of time to sequence events using everyday language.	Measurement and geometry: Positioning and locating Position to self Follows simple instructions using positional language.	Measurement and geometry: Positioning and locating Position to self Locates positions in the classroom relevant to own self.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Positioning and locating Position to self Orients self to other positions in the classroom.	Statistics and probability: Interpreting and representing data Emergent data collection and representation Identifies things that vary or stay the same in everyday life.	Statistics and probability: Interpreting and representing data Emergent data collection and representation Poses and answers simple questions and collects responses (e.g. Collects data from a simple yes/no question).	Statistics and probability: Interpreting and representing data Emergent data collection and representation Displays information using real objects, drawings or photographs.

HASS | Year 1 and 2

HASS Year 1 and 2  <p>Content Descriptor Collect, sort and record information and data from observations and from provided sources, including unscaled timelines and labelled maps or models.</p>	HASS Year 1 and 2  <p>Content Descriptor Interpret information and data from observations and provided sources, including the comparison of objects from the past and present.</p>	HASS Year 1  <p>Elaboration Recording data about the locations of places and their features on maps and/or plans; for example, labelling the location of their home on a map of the local area, using a provided plan of their classroom and labelling its activity spaces.</p>	HASS Year 1  <p>Elaboration Using comparative language when describing family life over time and/or comparing features of places, such as “smaller/ bigger than”, “closer/further”, “not as big as”, “younger/older than”, “more rainy days”, “fewer/ less”, “hotter/colder”, “sunnier/ windier than”.</p>
HASS Year 1  <p>Elaboration Developing a pictorial table to categorise information; for example, matching clothes with seasons, activities with the weather, features with places, places with the work done there.</p>	HASS Year 1  <p>Elaboration Creating a peg timeline in which labelled, drawn or photographic representations of events or objects from different generations are pegged onto string in the correct sequence.</p>	HASS Year 1  <p>Elaboration Categorising objects, drawings or images by their features and explaining the reason for their categorisation.</p>	HASS Year 2  <p>Elaboration Creating pictorial maps with annotations to show historical sites or places they are connected to, incorporating symbols to show locations of objects, places or significant features.</p>
HASS Year 2  <p>Elaboration Locating the places they are connected to, such as through family, travel or friends, or the places they visit for shopping, recreation or other reasons on a print, electronic or wall map.</p>	HASS Year 2  <p>Elaboration Ordering key events in the history of the local community or in its development using formats such as unscaled timelines, slideshows or stories.</p>	HASS Year 2  <p>Elaboration Interpreting distance on maps using terms such as “distant”, “close”, “local”, “many hours in a bus/car/plane” and “walking distance” to decide on the accessibility of different features and places.</p>	HASS Year 2  <p>Elaboration Interpreting geographic maps, concept maps and other digital or visual displays to explore system connections.</p>
HASS Year 2  <p>Elaboration Interpreting symbols and codes that provide information, such as map legends.</p>	Numeracy Progression  <p>Measurement and geometry: Measuring time Units of time Uses and justifies the appropriate unit of time to describe the duration of events.</p>	Numeracy Progression  <p>Measurement and geometry: Measuring time Units of time Identifies that the clockface is a circle subdivided into 12 parts and uses these to allocate hour markers.</p>	Numeracy Progression  <p>Measurement and geometry: Measuring time Units of time Identifies that hour markers on a clock can also represent quarter-hour and half-hour marks and shows that there is a minute hand and an hour hand on a clock.</p>
Numeracy Progression  <p>Measurement and geometry: Measuring time Units of time Uses a calendar to identify the date and determine the number of days in each month.</p>	Numeracy Progression  <p>Measurement and geometry: Measuring time Units of time Identifies the direction of clockwise and anticlockwise relating it to the hands of the clock.</p>	Numeracy Progression  <p>Measurement and geometry: Measuring time Units of time Reads time on analog clocks to the hour, half-hour and quarter-hour.</p>	Numeracy Progression  <p>Measurement and geometry: Measuring time Units of time Uses a calendar to identify the date and determine the number of days in each month.</p>

HASS | Year 1 and 2

Numeracy Progression <p>Measurement and geometry: Using informal units of measurement</p> <p>Measures an attribute by choosing and using multiple identical, informal units</p> <p>Selects the appropriate size and dimensions of an informal unit to measure and compare attributes.</p>	Numeracy Progression <p>Measurement and geometry: Using informal units of measurement</p> <p>Measures an attribute by choosing and using multiple identical, informal units</p> <p>Chooses and uses appropriate uniform informal units to measure length and area without gaps or overlaps.</p>	Numeracy Progression <p>Measurement and geometry: Using informal units of measurement</p> <p>Measures an attribute by choosing and using multiple identical, informal units</p> <p>Counts the individual uniform units used by ones to compare measurements.</p>	Numeracy Progression <p>Measurement and geometry: Understanding units of measurement</p> <p>Estimating measurements</p> <p>Estimates a measurement based on a number of uniform informal units.</p>
Numeracy Progression <p>Measurement and geometry: Understanding units of measurement</p> <p>Estimating measurements</p> <p>Checks an estimate using informal units to compare to predicted measurement.</p>	Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Basic one-to-one data displays</p> <p>Poses questions that could be investigated from a simple numerical or categorical data set (e.g. Number of family members, types of pets, where people live).</p>	Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Basic one-to-one data displays</p> <p>Displays and describes one variable data in lists or tables.</p>	Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Basic one-to-one data displays</p> <p>Communicates information through text, picture graphs and tables using numbers and symbols (e.g. Creates picture graphs to display one-variable data).</p>
Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Basic one-to-one data displays</p> <p>Responds to questions and interprets general observations made about data represented in simple one-to-one data displays (e.g. a simple picture graph).</p>	Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data</p> <p>Displays and interprets categorical data in one-to-many data displays.</p>	Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data</p> <p>Collects, records and displays one-variable data in variety of ways such as tables, charts, plots and graphs using the appropriate digital tools.</p>	Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data</p> <p>Interprets and represents categorical data in simple displays such as bar and column graphs, pie charts, models, maps, colour wheels, and pictorial timelines, and makes simple inferences from such displays.</p>
Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data</p> <p>Designs survey questions to collect categorical data.</p>	Numeracy Progression <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data</p> <p>Makes comparisons from categorical data displays using relative heights from a common baseline (e.g. Compares the heights of the columns in a simple column graph and recognises most frequent response).</p>	Numeracy Progression <p>Number sense and algebra: Counting processes</p> <p>Counting sequences</p> <p>Continues counting from any number forwards and backwards beyond 100100 using knowledge of place value.</p>	Numeracy Progression <p>Number sense and algebra: Counting processes</p> <p>Counting sequences</p> <p>Counts in sequence by twos and fives starting at zero.</p>

HASS | Year 1 and 2

<div>Numeracy Progression</div> <div>Number sense and algebra: Counting processes</div> <div>Counting sequences</div> <div>Counts in sequence forwards and backwards by tens on the decade up to 100100.</div>	<div>Numeracy Progression</div> <div>Number sense and algebra: Counting processes</div> <div>Perceptual counting</div> <div>Counts items in groups of twos, fives and tens.</div>	<div>Numeracy Progression</div> <div>Number sense and algebra: Counting processes</div> <div>Counting sequences</div> <div>Counts forward by one using the full counting sequence to determine the number before or after a given number, within the range of 1–10.</div>	<div>Numeracy Progression</div> <div>Number sense and algebra: Counting processes</div> <div>Perceptual counting</div> <div>Matches the count to objects, using one-to-one correspondence.</div>
<div>Numeracy Progression</div> <div>Number sense and algebra: Counting processes</div> <div>Perceptual counting</div> <div>Determines that the last number said in a count names the quantity or total of that collection.</div>			







HASS | Year 3 and 4

HASS Year 3 and 4  <p>Content Descriptor Locate, collect and record information and data from a range of sources, including annotated timelines and maps.</p>	HASS Year 3 and 4  <p>Content Descriptor Interpret information and data displayed in different formats.</p>	HASS Year 3  <p>Elaboration Sequencing information about local people and events in annotated timelines to show change.</p>	HASS Year 3  <p>Elaboration Interpreting climate data to describe the temperature and rainfall for a place in Australia and a place in a neighbouring country.</p>
HASS Year 3  <p>Elaboration Interpreting data to identify patterns of change over time.</p>	HASS Year 3  <p>Elaboration Using maps, ground and aerial photographs, and a digital source such as online satellite images to identify, locate and describe features, including the interpretation of cartographic information such as titles, map symbols, north point and compass direction.</p>	HASS Year 3  <p>Elaboration Creating tables or picture and column graphs to show patterns in data collected.</p>	HASS Year 4  <p>Elaboration Constructing and annotating maps, using the appropriate cartographic conventions, including map symbols, title and north point.</p>
HASS Year 4  <p>Elaboration Using timelines, maps, graphs or tables to display data and information and using digital applications as appropriate.</p>	HASS Year 4  <p>Elaboration Interpreting the data presented in picture, line, bar or column graphs to identify trends; for example, explaining survey results.</p>	HASS Year 4  <p>Elaboration Interpreting thematic maps and using online satellite images to describe the environmental characteristics of a continent or region, or to identify a particular characteristic, such as equatorial rainforests or clearance of natural vegetation for farming and settlement.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating Using informal maps and plans Locates self on an informal map to select an appropriate path to a given location.</p>
Numeracy Progression  <p>Measurement and geometry: Positioning and locating Using informal maps and plans Draws an informal map or sketch to provide directions.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating Using informal maps and plans Describes and locates relative positions on an informal map or plan.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating Using informal maps and plans Orients an informal map using recognisable landmarks and current location.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Explains how data displays can be misleading (e.g. Whether a scale should start at zero; not using uniform intervals on the axes).</p>
Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Interprets visual representations of data displayed using a multi-unit scale, reading values between the marked units and describing any variation and trends in the data.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Collects and records discrete numerical data using an appropriate method for recording.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Constructs graphical representations of numerical data and explains the difference between continuous and discrete data.</p>	

HASS | Year 5 and 6

HASS Year 5 and 6  <p>Content Descriptor Locate, collect and organise information and data from primary and secondary sources in a range of formats.</p>	HASS Year 5 and 6  <p>Content Descriptor Evaluate information and data in a range of formats to identify and describe patterns and trends, or to infer relationships.</p>	HASS Year 5 and 6  <p>Content Descriptor Interpret line graphs representing change over time; discuss the relationships that are represented and conclusions that can be made.</p>	HASS Year 5  <p>Elaboration Interpreting data presented in a line, bar, column or pie graph.</p>
HASS Year 5  <p>Elaboration Creating maps, using spatial technologies and cartographic conventions as appropriate, including border, source, scale, legend, title and north point, to show information and data such as location.</p>	HASS Year 5  <p>Elaboration Using geospatial tools such as a globe, wall map or a digital application to collect information.</p>	HASS Year 5  <p>Elaboration Constructing timelines, maps, tables and graphs using appropriate digital applications and cartographic conventions, such as border, source, scale, legend, title and north point, to display data and information.</p>	HASS Year 5  <p>Elaboration Exploring maps and sources showing First Nations Australians' language groups and Countries/Places, to explain the diversity of their connections to Country/Place.</p>
HASS Year 6  <p>Elaboration Creating maps, using spatial technologies and cartographic conventions as appropriate, including border, source, scale, legend, title and north point, to show information and data such as location.</p>	HASS Year 6  <p>Elaboration Using maps to identify patterns, trends and cause-effect relationships.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating Measuring time with large and small timescales Constructs timelines using an appropriate scale.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating Measuring time with large and small timescales Uses appropriate metric prefixes to measure both large and small durations of time.</p>
Numeracy Progression  <p>Measurement and geometry: Positioning and locating Using proportional thinking for scaling Interprets the scale used to create plans, drawings or maps.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating Using proportional thinking for scaling Interprets and uses plans and maps involving scale.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating Using proportional thinking for scaling Describes and interprets maps to determine the geographical location and positioning of states and territories within Australia and of countries relative to Australia.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating Using proportional thinking for scaling Interprets and uses more formal directional language such as compass bearings, degrees of turn, coordinates and distances to locate position or the distance from one location to another.</p>
Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Constructs graphical representations of numerical data and explains the difference between continuous and discrete data.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Explains how data displays can be misleading (e.g. Whether a scale should start at zero; not using uniform intervals on the axes).</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying, interpreting and analysing numerical data Poses questions based on variations in continuous numerical data and chooses the appropriate method to collect and record data.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying, interpreting and analysing numerical data Uses numerical and graphical representations relevant to the purpose of the collection of the data and explains their reasoning.</p>








HASS | Year 5 and 6

<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <hr/> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Determines and calculates the most appropriate statistic to describe the spread of data.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <hr/> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Calculates simple descriptive statistics such as mode, mean or median as measures to represent typical values of a distribution.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <hr/> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Compares the usefulness of different representations of the same data.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <hr/> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Describes the spread of a data distribution in terms of the range, clusters, skewness and symmetry of the graphical display, and determines and makes connections to the mode, median and mean of the data.</p>
<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <hr/> <p>Collecting, displaying and interpreting numerical data</p> <p>Interprets visual representations of data displayed using a multi-unit scale, reading values between the marked units and describing any variation and trends in the data.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <hr/> <p>Collecting, displaying and interpreting numerical data</p> <p>Collects and records discrete numerical data using an appropriate method for recording.</p>		









Health and Physical Education (HPE) | Foundation

HPE Foundation  <p>Content Descriptor Experiment with different ways of moving their body safely and manipulating objects and space.</p>	HPE Foundation  <p>Content Descriptor Practise fundamental movement skills in minor game and play situations.</p>	HPE Foundation  <p>Elaboration Combining fine and gross motor skills in increasingly complex patterns.</p>	HPE Foundation  <p>Elaboration Applying fundamental movement skills for purpose and enjoyment in natural environments.</p>
HPE Foundation  <p>Elaboration Suggesting and testing different ways to move in a playing space or different ways to use equipment and objects, and making judgements about which are most effective and which movements and equipment they prefer.</p>	HPE Foundation  <p>Elaboration Applying fundamental movement skills for purpose and enjoyment in natural environments.</p>	HPE Foundation  <p>Elaboration Applying different locomotor skills to move from one point to another.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating</p> <hr/> <p>Position to self Locates positions in the classroom relevant to self.</p>
Numeracy Progression  <p>Measurement and geometry: Positioning and locating</p> <hr/> <p>Position to self Orients self to other positions in the classroom.</p>	Numeracy Progression  <p>Measurement and geometry: Positioning and locating</p> <hr/> <p>Position to self Follows simple instructions using positional language.</p>		

Health and Physical Education (HPE) | Year 1 and 2

HPE Year 1 and 2 	HPE Year 1 and 2 	HPE Year 1 and 2 	HPE Year 1 and 2 
Content Descriptor Practise fundamental movement skills and apply them in a variety of movement situations.	Content Descriptor Investigate different ways of moving their body, and manipulating objects and space, and draw conclusions about their effectiveness.	Elaboration Performing locomotor movements using different body parts to travel in different directions.	Elaboration Demonstrating changes in speed, direction and level as they use locomotor and non-locomotor skills in sequences.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	
Measurement and geometry: Positioning and locating <hr/> Position to other Interprets a simple diagram or picture to describe the position of an object in relation to other objects.	Measurement and geometry: Positioning and locating <hr/> Position to other Gives and follows simple directions to move from one place to another using familiar reference points.	Measurement and geometry: Positioning and locating <hr/> Position to other Uses positional terms with reference to themselves.	

Health and Physical Education (HPE) | Year 3 and 4

HPE Year 3 and 4 	HPE Year 3 and 4 	HPE Year 3 and 4 	HPE Year 3 and 4 
Content Descriptor Describe and apply protective behaviours and help-seeking strategies in a range of online and offline situations.	Content Descriptor Explore recommendations about physical activity and sedentary behaviours and discuss strategies to achieve the recommendations.	Elaboration Indicating on a local map the location of safe places and people who can help if they feel unsafe or scared.	Elaboration Exploring physical activity and screen-usage time recommendations in the Australian 24-Hour Movement Guidelines for Children and Young People and proposing how they can meet these recommendations.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Measurement and geometry: Positioning and locating <hr/> Using formal maps and plans Locates position on maps using grid references.	Measurement and geometry: Positioning and locating <hr/> Using formal maps and plans Describes routes using landmarks and directional language including reference to quarter, half, three-quarter turns; turns to the left and right; clockwise and anticlockwise turns.	Measurement and geometry: Positioning and locating <hr/> Using formal maps and plans Interprets keys, simple scales and compass directions contained within a map to locate features.	Measurement and geometry: Measuring time <hr/> Measuring time Uses a calendar to calculate time intervals in days and weeks, bridging months to develop fitness plans, progress and set realistic personal and health goals using a calendar.

Health and Physical Education (HPE) | Year 5 and 6

HPE Year 5 and 6 	HPE Year 5 and 6 	HPE Year 5 and 6 	HPE Year 5 and 6 
Content Descriptor Participate in physical activities that enhance health and wellbeing in natural and outdoor settings, and analyse the steps and resources needed to promote participation.	Content Descriptor Investigate different sources and types of health information and how these apply to their own and others' health choices.	Elaboration Analysing nutritional information of different foods and developing strategies to communicate healthier choices to their family.	Elaboration Researching the Australian 24-Hour Movement Guidelines for Children and Young People, comparing their daily habits of physical activity to the recommendations and proposing strategies for enhancing or maintaining their levels of activity.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Statistics and probability: Interpreting and representing data <hr/> Collecting, displaying, interpreting and analysing numerical data Poses questions based on variations in continuous numerical data and chooses the appropriate method to collect and record data.	Statistics and probability: Interpreting and representing data <hr/> Collecting, displaying, interpreting and analysing numerical data Uses numerical and graphical representations relevant to the purpose of the collection of the data and explains their reasoning.	Statistics and probability: Interpreting and representing data <hr/> Collecting, displaying, interpreting and analysing numerical data Determines and calculates the most appropriate statistic to describe the spread of data.	Statistics and probability: Interpreting and representing data <hr/> Collecting, displaying, interpreting and analysing numerical data Calculates simple descriptive statistics such as mode, mean or median as measures to represent typical values of a distribution. Compares the usefulness of different representations of the same data.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Statistics and probability: Interpreting and representing data <hr/> Collecting, displaying, interpreting and analysing numerical data Describes the spread of a data distribution in terms of the range, clusters, skewness and symmetry of the graphical display, and determines and makes connections to the mode, median and mean of the data.	Measurement and geometry: Measuring time <hr/> Converting between units of time Interprets and converts between 12-hour and 24-hour digital time, and analog and digital representations of time to solve duration problems.	Measurement and geometry: Measuring time <hr/> Converting between units of time Converts between units of time, using appropriate conversion rates, to solve problems involving time.	Measurement and geometry: Measuring time <hr/> Converting between units of time Uses rates involving time to solve problems.

Science | Foundation

Science Foundation  <p>Content Descriptor Represent observations in provided templates and identify patterns with guidance.</p>	Science Foundation  <p>Content Descriptor Observe external features of plants and animals and describe ways they can be grouped based on these features.</p>	Science Foundation  <p>Content Descriptor Describe how objects move and how factors including their size, shape or material influence their movement.</p>	Science Foundation  <p>Content Descriptor Recognise that objects can be composed of different materials and describe the observable properties of those materials.</p>
Science Foundation  <p>Content Descriptor Engage in investigations safely and make observations using their senses.</p>	Science Foundation  <p>Elaboration Engage in investigations safely and make observations using their senses.</p>	Science Foundation  <p>Elaboration Collaborating to create a floor or wall display to link images or samples of materials to images of observed objects.</p>	Science Foundation  <p>Elaboration Using provided tables or graphic organisers to sort images or models of plants and animals into groups based on external features.</p>
Science Foundation  <p>Elaboration Recognising humans as animals, describing external features of humans and exploring similarities and differences compared with other animals</p>	Science Foundation  <p>Elaboration Using magnifying glasses or digital cameras to observe and identify external features of plants including seeds, flowers, fruits and roots, or of animals such as eyes, body covering, legs and wings.</p>	Science Foundation  <p>Elaboration Sorting collections of model animals and explaining different grouping strategies.</p>	Science Foundation  <p>Elaboration Recognising First Nations Australians' use of observable features to group living things.</p>
Science Foundation  <p>Elaboration Comparing the way different-sized, similar-shaped objects such as tennis balls, golf balls, marbles or basketballs roll and bounce.</p>	Science Foundation  <p>Elaboration Observing and describing ways different and unusually shaped objects such as blocks, tubes or eggs move when rolled down a slope.</p>	Science Foundation  <p>Elaboration Observing how toys move and grouping them based on their movement.</p>	Science Foundation  <p>Elaboration Sorting and grouping materials based on observed properties such as colour, hardness, texture and flexibility</p>
Science Foundation  <p>Elaboration Creating a display of different materials, naming each material and exploring language to describe properties of materials.</p>	Science Foundation  <p>Elaboration Recording observations using numbers, dots, drawings, voice recordings, digital photography or video.</p>	Numeracy Progression  <p>Measurement and geometry: Understanding geometric properties Familiar shapes and objects Uses everyday language to describe and compare shapes and objects (e.g. round, small, flat, pointy).</p>	Numeracy Progression  <p>Measurement and geometry: Understanding geometric properties Familiar shapes and objects Locates and describes similar shapes and objects in the environment.</p>

Science | Foundation

Numeracy Progression  <p>Measurement and geometry: Understanding geometric properties</p> <p>Familiar shapes and objects Names familiar shapes in the environment.</p>	Numeracy Progression  <p>Measurement and geometry: Understanding units of measurement</p> <p>Comparing and ordering objects Uses direct comparison to compare 2 objects and indicates whether they are the same or different based on attributes such as length, height, mass or capacity.</p>	Numeracy Progression  <p>Measurement and geometry: Understanding units of measurement</p> <p>Comparing and ordering objects Orders 3 or more objects by comparing pairs of objects.</p>	Numeracy Progression  <p>Measurement and geometry: Understanding units of measurement</p> <p>Comparing and ordering objects Uses comparative language to compare 2 objects.</p>
Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Emergent data collection and representation Identifies things that vary or stay the same in everyday life.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Emergent data collection and representation Poses and answers simple questions and collects responses (e.g. Collects data from a simple yes/no question).</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Emergent data collection and representation Displays information using real objects, drawings or photographs.</p>	Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Numeral recognition and identification Identifies and names numerals in the range of 1–10.</p>
Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Numeral recognition and identification Matches a quantity of items in a collection to the correct number name or numeral in the range of 1–10.</p>	Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Numeral recognition and identification Identifies standard number configurations such as on standard dice or dominos and in other arrangements up to 6, using subitising.</p>	Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Developing place value Identifies smaller collections within collections to 10, such as numbers represented in non-standard number configurations.</p>	Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Developing place value Orders numbers represented by numerals to at least 10.</p>
Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Developing place value Indicates the greater or lesser of 2 numbers represented by numerals in the range from one to 10.</p>	Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Developing place value Demonstrates that one 10 is the same as 10 ones.</p>		

Science | Year 1 and 2

Science Year 1  <p>Content Descriptor Describe daily and seasonal changes in the environment and explore how these changes affect everyday life.</p>	Science Year 1  <p>Content Descriptor Describe pushes and pulls in terms of strength and direction and predict the effect of these forces on objects' motion and shape.</p>	Science Year 1 and 2  <p>Content Descriptor Describe how people use science in their daily lives, including using patterns to make scientific predictions.</p>	Science Year 1 and 2  <p>Content Descriptor Pose questions to explore observed simple patterns and relationships and make predictions based on experiences.</p>
Science Year 1 and 2  <p>Content Descriptor Suggest and follow safe procedures to investigate questions and test predictions.</p>	Science Year 1 and 2  <p>Elaboration Make and record observations, including informal measurements, using digital tools as appropriate.</p>	Science Year 1 and 2  <p>Elaboration Sort and order data and information and represent patterns, including with provided tables and visual or physical models.</p>	Science Year 2  <p>Elaboration Recognise Earth is a planet in the solar system and identify patterns in the changing position of the sun, moon, planets and stars in the sky.</p>
Science Year 1  <p>Elaboration Making and recording observations of phenomena such as changes to weather, seasonal changes to plants such as colour or dropping of leaves, and growth of flowers or fruit.</p>	Science Year 1  <p>Elaboration Investigating how changes in the weather affect plants and animals, including humans.</p>	Science Year 1  <p>Elaboration Investigating how seasonal changes affect plants and animals, including animals that hibernate and migrate.</p>	Science Year 1  <p>Elaboration Observing and manipulating everyday objects such as playground equipment, toys, windows or doors and identifying the forces used to move these objects.</p>
Science Year 1  <p>Elaboration Investigating how the design of age-appropriate sporting equipment such as paddles, plastic bats and racquets help to produce stronger pushes and pulls.</p>	Science Year 1  <p>Elaboration Using pictographs featuring drawings or digital photographs and tables of measurements to document patterns of growth of plants.</p>	Science Year 1  <p>Elaboration Learning from farmers, bush care volunteers, gardeners or nursery owners about how they observe the needs of plants, and how they have designed or managed habitats to meet those needs.</p>	Science Year 2  <p>Elaboration Making predictions about future appearances of phenomena in the sky at certain times of the week, month or year, such as the moon or satellites.</p>
Science Year 1  <p>Elaboration Making predictions about patterns of observable phenomena such as seasonal changes of plants or changes in temperatures across the seasons.</p>	Science Year 1  <p>Elaboration Following steps in a guided investigation to determine how different objects move when pushed or pulled.</p>	Science Year 2  <p>Elaboration Posing questions about the appearance or position of celestial objects in space across time, such as: 'I wonder if the moon will look the same tomorrow or next week, as it does today?'</p>	Science Year 1  <p>Elaboration Using familiar units of measurement such as cups, handspans, walking paces, blocks or pencil lengths.</p>

Science | Year 1 and 2

Science Year 1 	Science Year 2 	Science Year 2 	Science Year 2 
Elaboration Recording observations through text, drawing, counts, informal measurements, digital photography or video.	Elaboration Recording observations through text, drawing, counts, digital photography or video.	Elaboration Ordering images of seasonal changes across the year.	Elaboration Engaging in a guided discussion about how to measure something in a fair way.
Science Year 2 	Science Year 2 	Science Year 2 	Science Year 2 
Elaboration Representing informal measurements with concrete objects, such as drawing chalk lines and using lengths of string to measure shadows.	Elaboration Counting and using informal measurements such as cups, handspans, walking paces, blocks, pencil lengths or lengths of string.	Elaboration Making suggestions about types of measurements that may be made during an investigation, including using blocks to measure plant growth or paces to measure how far an object has moved.	Elaboration Constructing simple column graphs and picture graphs with guidance to represent class investigations, such as recording objects that produce or do not produce sound.
Science Year 2 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Elaboration Completing a table to record the number of ways different materials can be changed physically.	Measurement and geometry Measuring time Reads time on analog clocks to the hour, half-hour and quarter-hour.	Measurement and geometry Measuring time Names and orders days of the week and months of the year.	Measurement and geometry Measuring time Uses a calendar to identify the date and determine the number of days in each month.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Measurement and geometry: Understanding units of measurement Using informal units of measurement Measures an attribute by choosing and using multiple identical, informal units.	Measurement and geometry: Understanding units of measurement Using informal units of measurement Selects the appropriate size and dimensions of an informal unit to measure and compare attributes.	Measurement and geometry: Understanding units of measurement Using informal units of measurement Chooses and uses appropriate uniform informal units to measure length and area without gaps or overlaps.	Measurement and geometry: Understanding units of measurement Using informal units of measurement Uses multiple uniform informal units to measure and make direct comparisons between the mass or capacity of objects.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Measurement and geometry: Understanding units of measurement Using informal units of measurement Counts the individual uniform units used by ones to compare measurements.	Measurement and geometry: Understanding units of measurement Estimating measurements Estimates a measurement based on a number of uniform informal units.	Measurement and geometry: Understanding units of measurement Estimating measurements Checks an estimate using informal units to compare to predicted measurement.	Number sense and algebra: Number patterns and algebraic thinking Identifying and creating patterns Identifies the pattern unit with a simple repeating pattern.

Science | Year 1 and 2

Numeracy Progression  <p>Number sense and algebra: Number patterns and algebraic thinking</p> <p>Identifying and creating patterns Continues and creates repeating patterns involving the repetition of a pattern unit with shapes, movements, sounds, physical and virtual materials and numbers.</p>	Numeracy Progression  <p>Number sense and algebra: Number patterns and algebraic thinking</p> <p>Identifying and creating patterns Identifies, continues and creates simple geometric patterns involving shapes, physical or virtual materials.</p>	Numeracy Progression  <p>Number sense and algebra: Number patterns and algebraic thinking</p> <p>Identifying and creating patterns Determines a missing element within a pattern involving shapes, physical or virtual materials.</p>	Numeracy Progression  <p>Number sense and algebra: Interpreting fractions</p> <p>Repeating fractional parts Demonstrates that fractions can be written symbolically and interprets using part-whole knowledge.</p>
Numeracy Progression  <p>Number sense and algebra: Interpreting fractions</p> <p>Repeating fractional parts Identifies fractions in measurement situations and solves problems using halves, quarters and eighths.</p>	Numeracy Progression  <p>Statistics and probability: Understanding chance</p> <p>Describing chance Describes everyday occurrences that involve chance.</p>	Numeracy Progression  <p>Statistics and probability: Understanding chance</p> <p>Describing chance Makes predictions on the likelihood of simple, everyday occurrences as to it will or won't, might or might not happen, based on experiences.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Basic one-to-one data displays Poses questions that could be investigated from a simple numerical or categorical data set.</p>
Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Basic one-to-one data displays Displays and describes one variable data in lists or tables.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Basic one-to-one data displays Communicates information through text, picture graphs and tables using numbers and symbols.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Basic one-to-one data displays Responds to questions and interprets general observations made about data represented in simple one-to-one data displays.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data Designs survey questions to collect categorical data.</p>
Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data Collects, records and displays one-variable data in variety of ways such as tables, charts, plots and graphs using the appropriate digital tools.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data Displays and interprets categorical data in one-to-many data displays.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data Interprets and represents categorical data in simple displays such as bar and column graphs, pie charts, models, maps, colour wheels, and pictorial timelines, and makes simple inferences from such displays.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting categorical data Makes comparisons from categorical data displays using relative heights from a common baseline.</p>

Science | Year 3 and 4

Science Year 3  <p>Content Descriptor Compare the observable properties of soils, rocks and minerals and investigate why they are important Earth resources.</p>	Science Year 3  <p>Content Descriptor Identify sources of heat energy and examine how temperature changes when heat energy is transferred from one object to another.</p>	Science Year 3 and 4  <p>Content Descriptor Examine how people use data to develop scientific explanations.</p>	Science Year 3 and 4  <p>Content Descriptor Follow procedures to make and record observations, including making formal measurements using familiar scaled instruments and using digital tools as appropriate.</p>
Science Year 3 and 4  <p>Content Descriptor Construct and use representations, including tables, simple column graphs and visual or physical models, to organise data and information, show simple relationships and identify patterns.</p>	Science Year 3  <p>Elaboration Exploring the school grounds or a local area and observing or collecting different types of rocks and describing similarities or differences such as texture, colour, grain or crystal size.</p>	Science Year 3  <p>Elaboration Recognising that changes in heat energy can be measured using a thermometer.</p>	Science Year 3  <p>Elaboration Exploring age-appropriate science reports and journal articles and identifying where in the text the author has included data, findings or explanations.</p>
Science Year 4  <p>Elaboration Examining age-appropriate scientific journal articles, identifying common text features and exploring why the scientific community might have conventions for sharing information about data and explanations.</p>	Science Year 4  <p>Elaboration Viewing or listening to documentaries or news reports that feature researchers and identifying how they talk about their area of research, particularly references to observations, data and evidence.</p>	Science Year 4  <p>Elaboration Using appropriate equipment to make and record observations, such as digital cameras, video, voice recorders and familiar scaled instruments with appropriate increments.</p>	Science Year 4  <p>Elaboration Describing how to use rounding up or down when reading scaled instruments, and the effect of the scale size on the accuracy of the measurement.</p>
Science Year 4  <p>Elaboration Constructing tables or graphic organisers to record observations.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Emergent data collection and representation Displays information using real objects, drawings or photographs.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Emergent data collection and representation Sorts and classifies shapes and objects into groups based on their features or characteristics and describes how they have been sorted.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Emergent data collection and representation Poses and answers simple questions and collects responses.</p>
Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Emergent data collection and representation Identifies things that vary or stay the same in everyday life.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Collects and records discrete numerical data using an appropriate method for recording (e.g. uses a frequency table to record experiment results; records sample measurements taken during a science investigation).</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Constructs graphical representations of numerical data and explains the difference between continuous and discrete data.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Interprets visual representations of data displayed using a multi-unit scale, reading values between the marked units and describing any variation and trends in the data.</p>

Science | Year 3 and 4

<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <hr/> <p>Collecting, displaying and interpreting numerical data Explains how data displays can be misleading (e.g. whether a scale should start at zero; not using uniform intervals on the axes).</p>	<p>Numeracy Progression </p> <p>Measurement and geometry: Understanding units of measurement</p> <hr/> <p>Using metric units Measures, compares and estimates length, perimeter and area of a surface using metric units.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <hr/> <p>Numeral recognition and identification Identifies, reads and writes numerals, beyond 4 digits in length, with spacing after every 3 digits.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <hr/> <p>Numeral recognition and identification Identifies, reads and writes decimals to one and 2 decimal places.</p>
<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <hr/> <p>Place value Estimates and rounds natural numbers to the nearest 10 thousand, thousand etc.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <hr/> <p>Place value Recognising the multiplicative relationships between the place value of the digits.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <hr/> <p>Place value Explains and demonstrates that the place value system extends beyond tenths to hundredths, thousandths ... (e.g. Uses decimals to represent part units of measurement for length, mass, capacity and temperature).</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <hr/> <p>Place value Represents, compares, orders and interprets decimals up to 2 decimal places.</p>
<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <hr/> <p>Place value Rounds decimals to the nearest natural number in order to estimate answers.</p>			

Science | Year 5 and 6

Science Year 5  <p>Content Descriptor Describe how weathering, erosion, transportation and deposition cause slow or rapid change to Earth's surface.</p>	Science Year 6  <p>Content Descriptor Describe the movement of Earth and other planets relative to the sun and model how Earth's tilt, rotation on its axis and revolution around the sun relate to cyclic observable phenomena, including variable day and night length.</p>	Science Year 5 and 6  <p>Content Descriptor Construct and use appropriate representations, including tables, graphs and visual or physical models, to organise and process data and information and describe patterns, trends and relationships.</p>	Science Year 5 and 6  <p>Content Descriptor Use equipment to observe, measure and record data with reasonable precision, using digital tools as appropriate.</p>
Science Year 5 and 6  <p>Content Descriptor Examine why advances in science are often the result of collaboration or build on the work of others.</p>	Science Year 5  <p>Elaboration Investigating how humans have changed local landscapes and predicting the effect these changes might have on rates of erosion.</p>	Science Year 5  <p>Elaboration Considering the effects of significant rainfall, such as a monsoon, on the transportation and deposition of river sediments in the Asia-Pacific region.</p>	Science Year 5  <p>Elaboration Recording data using standard units, such as grams, second and metre, and developing the use of standard prefixes for metric units such as kilo- and milli-.</p>
Science Year 5  <p>Elaboration Recording data in tables and diagrams or electronically as digital images and spreadsheets.</p>	Science Year 5  <p>Elaboration Exploring the precision of measurements of different equipment such as a cup compared with a measuring jug and discussing why precision is important in measurement.</p>	Science Year 5  <p>Elaboration Using maps to identify patterns in erosion site locations or aerial photographs to show effects of erosion over time.</p>	Science Year 5  <p>Elaboration Constructing a column graph to illustrate the relationship between predation and an animal feature such as colour as indicated by a simulation and using values to represent the outcomes of repeated simulations.</p>
Science Year 6  <p>Elaboration Examining why ecologists collaborate with engineers and computer scientists to develop remote sensing techniques, identify patterns in habitat change and make predictions.</p>	Science Year 6  <p>Elaboration Selecting and using instruments with the correct scale for measuring data with appropriate accuracy, such as a multimeter.</p>	Science Year 6  <p>Elaboration Exploring simulations of the solar system such as a pocket solar system to appreciate the distances and relationships between the sun and planets.</p>	Science Year 6  <p>Elaboration Using 3-dimensional models or role-play to model how earth's rotation on its axis causes day and night.</p>
Science Year 6  <p>Elaboration Using 3-dimensional models to explore how the tilt of Earth points one hemisphere towards the sun and the other away at different times of the year and predicting how this affects the amount of sunlight on the surface of different regions on Earth.</p>	Science Year 6  <p>Elaboration Recording data in tables and diagrams or electronically as digital images and spreadsheets.</p>	Science Year 6  <p>Elaboration Recording data using standard units, such as volt, ampere, gram, second and metre, and developing the use of standard prefixes for metric units such as kilo- and milli-.</p>	Science Year 6  <p>Elaboration Using digital tools such as digital thermometers or soil moisture probes to collect data over time and record data in spreadsheets.</p>

Science | Year 5 and 6

Science Year 6 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Elaboration Using line graphs to show changes in growth over time under different physical conditions.	Number sense and algebra: Proportional thinking Understanding percentages and relative size Explains that a percentage is a proportional relationship between a quantity and 100.	Number sense and algebra: Proportional thinking Understanding percentages and relative size Uses percentage to describe, represent and compare relative size.	Number sense and algebra: Proportional thinking Understanding percentages and relative size Demonstrates that 100% is a complete whole.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Number sense and algebra: Proportional thinking Understanding percentages and relative size Recognises that complementary percentages add to give 100% and applies to situations.	Measurement and geometry: Understanding units of measurement Using metric units Calculates perimeter using properties of two-dimensional shapes to determine unknown lengths.	Measurement and geometry: Understanding units of measurement Using metric units Measures and calculates the area of different shapes using metric units and a range of strategies.	Measurement and geometry: Understanding units of measurement Angles as measures of turn Estimates and measures angles in degrees up to one revolution.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Measurement and geometry: Understanding units of measurement Using metric units Measures, compares and estimates length, perimeter and area of a surface using metric units.	Measurement and geometry: Understanding units of measurement Using metric units Uses scaled instruments to measure length, mass, capacity and temperature, correctly interpreting any unlabelled calibrations estimates measurements of an attribute using metric units.	Measurement and geometry: Understanding units of measurement Angles as measures of turn Compares angles to a right angle and classifies them as equal to, less than or greater than a right angle.	Measurement and geometry: Understanding units of measurement Converting units Converts between metric units of measurement of the same attribute.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Measurement and geometry: Understanding units of measurement Converting units Describes and uses the relationship between metric units of measurement and the base-10 place value system to accurately measure and record measurements using decimals.	Measurement and geometry: Understanding units of measurement Converting units Using metric units and formulas establishes and uses formulas and metric units for calculating the area of rectangles and triangles.	Measurement and geometry: Understanding units of measurement Angles as measures of turn Measures and uses key angles (45° , 90° , 1180° , 360°) to define other angles according to their size.	Measurement and geometry: Understanding geometric properties Properties of shapes and objects Classifies three-dimensional objects according to their properties (e.g. describes the difference between a triangular prism and a triangular pyramid).
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Measurement and geometry: Understanding geometric properties Properties of shapes and objects Creates two-dimensional nets for pyramids and prisms.	Measurement and geometry: Understanding geometric properties Transformations Uses combinations of reflecting, translating and rotating shapes to describe and create patterns and solve problems.	Measurement and geometry: Understanding geometric properties Transformations Identifies tessellations used in the environment and explains why some combinations of shapes will tessellate while others will not.	Measurement and geometry: Understanding geometric properties Transformations Explains the result of changing critical and non-critical properties of shapes.

Science | Year 5 and 6

Numeracy Progression  <p>Measurement and geometry: Understanding geometric properties</p> <p>Angles</p> <p>Identifies supplementary and complementary angles and uses them to solve problems.</p>	Numeracy Progression  <p>Measurement and geometry: Understanding geometric properties</p> <p>Angles</p> <p>Identifies that angles at a point add to 360° and that vertically opposite angles are equal and reasons to solve problems.</p>	Numeracy Progression  <p>Measurement and geometry: Measuring time</p> <p>Measuring time with large and small timescales</p> <p>Uses appropriate metric prefixes to measure both large and small durations of time.</p>	Numeracy Progression  <p>Measurement and geometry: Measuring time</p> <p>Measuring time with large and small timescales</p> <p>Constructs timelines using an appropriate scale.</p>
Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Numeral recognition and identification</p> <p>Reads, represents, interprets and uses negative numbers in computation (e.g. explains that the temperature -10 °C is colder than the temperature -2.5°C).</p>	Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Numeral recognition and identification</p> <p>Recognises that negative numbers are less than zero; locates -12 on a number line).</p>	Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Place value</p> <p>Identifies that negative numbers are integers that represent both size and direction understands that multiplying and dividing numbers by 10,100,1000 changes the positional value of the digits.</p>	Numeracy Progression  <p>Number sense and algebra: Number and place value</p> <p>Place value</p> <p>Rounds decimals to a specified number of decimal places for a purpose.</p>
Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Poses questions based on variations in continuous numerical data and chooses the appropriate method to collect and record data.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Uses numerical and graphical representations relevant to the purpose of the collection of the data and explains their reasoning.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Determines and calculates the most appropriate statistic to describe the spread of data.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Calculates simple descriptive statistics such as mode, mean or median as measures to represent typical values of a distribution.</p>
Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Compares the usefulness of different representations of the same data.</p>	Numeracy Progression  <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying, interpreting and analysing numerical data</p> <p>Describes the spread of a data distribution in terms of the range, clusters, skewness and symmetry of the graphical display, and determines and makes connections to the mode, median and mean of the data.</p>		

Design and Technologies | Foundation

Design and Technologies Foundation	Design and Technologies Foundation	Design and Technologies Foundation	Numeracy Progression
Content Descriptor Generate, communicate and evaluate design ideas, and use materials, equipment and steps to safely make a solution for a purpose.	Content Descriptor Generate and communicate design ideas through describing, drawing or modelling, including using digital tools.	Elaboration Exploring ideas by drawing or modelling and choosing the most suitable idea.	Measurement and geometry: Positioning and locating Position to self Locates positions in the classroom relevant to self.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Positioning and locating Position to self Orients self to other positions in the classroom.	Measurement and geometry: Positioning and locating Position to self Follows simple instructions using positional language.	Measurement and geometry: Understanding geometric properties Familiar shapes and objects Names familiar shapes in the environment.	Measurement and geometry: Understanding geometric properties Angles Identifies and describes a turn in either direction.
Numeracy Progression	Numeracy Progression		
Measurement and geometry: Understanding geometric properties Familiar shapes and objects Uses everyday language to describe and compare shapes and objects.	Measurement and geometry: Understanding geometric properties Familiar shapes and objects Locates and describes similar shapes and objects in the environment.		

Design and Technologies | Year 1 and 2

Design and Technologies Year 1 and 2	Design and Technologies Year 1 and 2	Design and Technologies Year 1 and 2	Design and Technologies Year 1 and 2
Content Descriptor Generate and communicate design ideas through describing, drawing or modelling, including using digital tools.	Content Descriptor Sequence steps for making designed solutions cooperatively.	Elaboration Communicating design ideas by modelling or producing and labelling 2-dimensional drawings using a range of technologies.	Elaboration Using lists or storyboarding when planning and making, for example when creating an electronic planting calendar.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Understanding geometric properties Familiar shapes and objects Names familiar shapes in the environment.	Measurement and geometry: Understanding geometric properties Familiar shapes and objects Locates and describes similar shapes and objects in the environment.	Measurement and geometry: Understanding geometric properties Familiar shapes and objects Uses everyday language to describe and compare shapes and objects.	Measurement and geometry: Understanding geometric properties Angles Identifies and describes a turn in either direction.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Understanding geometric properties Features of shapes and objects Identifies and describes features of shapes and objects.	Measurement and geometry: Understanding geometric properties Features of shapes and objects Sorts and classifies familiar shapes and objects based on obvious features.	Measurement and geometry: Understanding geometric properties Transformations Identifies features of shapes and objects of different sizes and in different orientations in the environment.	Measurement and geometry: Understanding geometric properties Transformations Explains that the shape or object does not change when presented in different orientations.
Numeracy Progression	Numeracy Progression	Numeracy Progression	
Measurement and geometry: Understanding geometric properties Angles Identifies angles in the environment	Measurement and geometry: Measuring time Sequencing time Applies an understanding of passage of time to sequence events using everyday language.	Measurement and geometry: Measuring time Sequencing time Uses the language of time to describe events in relation to past, present and future.	

Design and Technologies | Year 3 and 4

Design and Technologies Year 3 and 4	Design and Technologies Year 3 and 4	Design and Technologies Year 3 and 4	Design and Technologies Year 3 and 4
Content Descriptor Generate and communicate design ideas and decisions using appropriate attributions, technical terms and graphical representation techniques, including using digital tools.	Content Descriptor Select and use materials, components, tools, equipment and techniques to safely make designed solutions.	Content Descriptor Sequence steps to individually and collaboratively make designed solutions.	Elaboration Determining planning processes as a class, for example recording when parts of a project need to be completed on a timeline, in a spreadsheet, calendar or list.
Design and Technologies Year 3 and 4	Design and Technologies Year 3 and 4	Design and Technologies Year 3 and 4	Numeracy Progression
Elaboration Visualising innovative design ideas by producing thumbnail sketches, models and labelled drawings to explain features and modifications.	Elaboration Communicating design ideas using annotated diagrams.	Elaboration Using tools and equipment accurately when measuring, marking and cutting, for example when creating a template or pattern, measuring ingredients in a recipe or preparing a garden bed for sowing seeds.	Measurement and geometry: Positioning and locating Using informal maps and plans Describes and locates relative positions on a plan.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Positioning and locating Using informal maps and plans Draws a sketch to provide directions.	Measurement and geometry: Understanding units of measurement Using metric units Measures, compares and estimates length, perimeter and area of a surface using metric units.	Measurement and geometry: Understanding units of measurement Using metric units Uses scaled instruments to measure length, mass, capacity and temperature, correctly interpreting any unlabelled calibrations.	Measurement and geometry: Understanding units of measurement Using metric units Estimates measurements of an attribute using metric units.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Understanding units of measurement Angles as measures of turn Compares angles to a right angle and classifies them as equal to, less than or greater than a right angle.	Measurement and geometry: Measuring time Measuring time Uses standard instruments and units to describe and measure time to hours, minutes and seconds.	Measurement and geometry: Measuring time Measuring time Reads and interprets different representations of time.	Measurement and geometry: Measuring time Measuring time Identifies the minute hand movement on an analog clock and the 60-minute markings, interpreting the numbers as representing lots of 5.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Measuring time Relating units of time Identifies the relationship between units of time.	Measurement and geometry: Measuring time Relating units of time Determines elapsed time using different units such as hours and minutes, weeks and days.	Measurement and geometry: Measuring time Relating units of time Interprets and uses a timetable.	Measurement and geometry: Measuring time Relating units of time Constructs timelines using a time scale.

Design and Technologies | Year 5 and 6

Design and Technologies Year 5 and 6	Design and Technologies Year 5 and 6	Design and Technologies Year 5 and 6	Design and Technologies Year 5 and 6
Content Descriptor Investigate needs or opportunities for designing, and the materials, components, tools, equipment and processes needed to create designed solutions.	Content Descriptor Generate and communicate design ideas and decisions using appropriate attributions, technical terms and graphical representation techniques, including using digital tools.	Elaboration Surveying people in the school community about their needs in order to design an appropriate product, service or environment that addresses the need.	Elaboration Visualising innovative design ideas by producing thumbnail sketches, models and labelled drawings to explain features and modifications.
Design and Technologies Year 5 and 6	Numeracy Progression	Numeracy Progression	Numeracy Progression
Elaboration Representing and communicating design ideas using modelling and drawing standards including the use of digital tools, for example including scale, symbols and codes in plans and diagrams.	Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting categorical data.	Statistics and probability: Interpreting and representing data Designs survey questions to collect categorical data.	Statistics and probability: Interpreting and representing data Collects, records and displays one-variable data in variety of ways such as tables, charts, plots and graphs using the appropriate digital tools.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Statistics and probability: Interpreting and representing data Displays and interprets categorical data in one-to-many data displays.	Statistics and probability: Interpreting and representing data Interprets and represents categorical data in simple displays such as graphs, tables, models, maps, colour wheels, and pictorial timelines, and makes simple inferences from such displays.	Statistics and probability: Interpreting and representing data Makes comparisons from categorical data displays using relative heights from a common baseline.	Measurement and geometry: Positioning and locating Using informal plans.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Positioning and locating Draws an informal sketch to provide directions.	Measurement and geometry: Positioning and locating Describes and locates relative positions on a plan.	Measurement and geometry: Understanding geometric properties Properties of shapes and object Identifies, names and classifies two-dimensional shapes according to their side and angle properties.	Measurement and geometry: Understanding geometric properties Properties of shapes and object Identifies key features of shapes.
Numeracy Progression	Numeracy Progression	Numeracy Progression	Numeracy Progression
Measurement and geometry: Understanding geometric properties Properties of shapes and object Aligns three-dimensional objects to their two-dimensional nets.	Measurement and geometry: Understanding geometric properties Properties of shapes and object Identifies the relationship between the number of faces, edges and the number of vertices of a three-dimensional object.	Measurement and geometry: Understanding geometric properties Transformations Identifies that shapes can have rotational symmetry.	Measurement and geometry: Understanding geometric properties Transformations Creates symmetrical designs using a range of shapes and identifies the type of symmetry as appropriate.

Design and Technologies | Year 5 and 6

Numeracy Progression

Measurement and geometry:

Understanding geometric properties

Transformations

Creates tessellating patterns with common shapes, deciding which will tessellate and which will not by referring to their sides and angles.

Numeracy Progression

Measurement and geometry:

Understanding geometric properties

Angles

Estimates, compares and constructs angles.

Numeracy Progression









Measurement and geometry:

Understanding geometric properties

Angles

Describes angles in the environment according to their size as acute, obtuse, right, straight, reflex or a revolution and identifies them in shapes and objects.





Digital Technologies | Foundation

Digital Technologies Foundation 	Digital Technologies Foundation 	Digital Technologies Foundation 	Digital Technologies Foundation 
Content Descriptor Represent data as objects, pictures and symbols.	Elaboration Drawing a picture representing each of their family members and their interests, for example drawing one family member with a surfboard and another with a skateboard.	Elaboration Using coloured blocks to represent an attribute of people, for example representing students and their sports houses with different coloured blocks.	Elaboration Using a symbol to represent an idea but knowing that the symbol is not the data itself, for example the symbols and colour on both the Australian Aboriginal flag and the Torres Strait Islander flag.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Statistics and probability: Interpreting and representing data <hr/> Emergent data collection and representation Poses and answers simple questions and collects responses.	Statistics and probability: Interpreting and representing data <hr/> Emergent data collection and representation Displays information using real objects, drawings or photographs.	Statistics and probability: Interpreting and representing data <hr/> Emergent data collection and representation Sorts and classifies shapes and objects into groups based on their features or characteristics and describes how they have been sorted.	Statistics and probability: Interpreting and representing data <hr/> Emergent data collection and representation Identifies things that vary or stay the same in everyday life.

Digital Technologies | Year 1 and 2

Digital Technologies Year 1 and 2 	Digital Technologies Year 1 and 2 	Digital Technologies Year 1 and 2 	Digital Technologies Year 1 and 2 
Content Descriptor Represent data as pictures, symbols, numbers and words.	Content Descriptor Follow and describe algorithms involving a sequence of steps, branching (decisions) and iteration (repetition).	Elaboration Recognising that pictures in First Nations Australians' seasonal calendars are used to represent and communicate data.	Elaboration Recognising the equivalence of different representations of numbers, including words, digits and tally marks.
Digital Technologies Year 1 and 2 	Digital Technologies Year 1 and 2 	Digital Technologies Year 1 and 2 	Numeracy Progression 
Elaboration Following a short, ordered sequence of steps and making decisions to solve a simple problem.	Elaboration Identifying the decisions needed to solve a problem and the next steps to follow in each case.	Elaboration Following algorithms that repeat a single step a fixed number of times, for example practise spelling a word 5 times or throw and catch a ball with a partner 10 times.	Number sense and algebra: Multiplicative strategies <hr/> Repeated abstract composite units Uses composite units in repeated addition using the unit a specified number of times.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Number sense and algebra: Multiplicative strategies <hr/> Repeated abstract composite units Uses composite units in repeated subtraction using the unit a specified number of times.	Number sense and algebra: Number patterns and algebraic thinking <hr/> Identifying and creating patterns Identifies the pattern unit with a simple repeating pattern.	Number sense and algebra: Number patterns and algebraic thinking <hr/> Identifying and creating patterns Continues and creates repeating patterns involving the repetition of a pattern unit with shapes, movements, sounds, physical and virtual materials and numbers.	Number sense and algebra: Number patterns and algebraic thinking <hr/> Identifying and creating patterns Identifies, continues and creates simple geometric patterns involving shapes, physical or virtual materials.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Number sense and algebra: Number patterns and algebraic thinking <hr/> Identifying and creating patterns Determines a missing element within a pattern involving shapes, physical or virtual materials.	Number sense and algebra: Number patterns and algebraic thinking <hr/> Identifying and creating patterns Conceptually subitises by identifying patterns in standard representations.	Measurement and geometry: Positioning and locating <hr/> Position to other Uses positional terms with reference to themselves.	Measurement and geometry: Positioning and locating <hr/> Position to other Interprets a simple diagram or picture to describe the position of an object in relation to other objects.

Digital Technologies | Year 1 and 2

<div>Numeracy Progression </div> <div>Measurement and geometry: Positioning and locating</div> <div>Position to other</div> <div>Gives and follows simple directions to move from one place to another using familiar reference points.</div>	<div>Numeracy Progression </div> <div>Statistics and probability: Interpreting and representing data</div> <div>Basic one-to-one data displays</div> <div>Poses questions that could be investigated from a simple numerical or categorical data set.</div>	<div>Numeracy Progression </div> <div>Statistics and probability: Interpreting and representing data</div> <div>Basic one-to-one data displays</div> <div>Displays and describes one variable data in lists or tables.</div>	<div>Numeracy Progression </div> <div>Statistics and probability: Interpreting and representing data</div> <div>Basic one-to-one data displays</div> <div>Communicates information through text, picture graphs and tables using numbers and symbols.</div>
<div>Numeracy Progression </div> <div>Statistics and probability: Interpreting and representing data</div> <div>Basic one-to-one data displays</div> <div>Responds to questions and interprets general observations made about data represented in simple one-to-one data displays.</div>			

Digital Technologies | Year 3 and 4

Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 
Content Descriptor Recognise different types of data and explore how the same data can be represented differently depending on the purpose.	Content Descriptor follow and describe algorithms involving sequencing, comparison operators (branching) and iteration.	Content Descriptor Implement simple algorithms as visual programs involving control structures and input.	Elaboration Writing and editing programs to solve simple problems using branching and simple iteration in a visual programming environment.
Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 
Elaboration Describing different types of data and how they can be used, for example numbers, letters, symbols and pictures.	Elaboration Explaining how the same data can be represented in different ways and why some representations are better than others in certain contexts.	Elaboration Explaining that the same information can be represented differently.	Elaboration Writing programs that repeat one or more steps a fixed number of times.
Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 
Elaboration Describing algorithms that repeat steps a fixed number of times, for example calculating multiplication using repeated addition, where the sum changes in each iteration.	Elaboration Describing the decisions needed to solve a problem, including numerical and text comparisons.	Elaboration Understanding there can be more than one sequence of steps to solve a problem, some are better than others, and the steps should be unambiguous.	Elaboration Writing programs that take input from the user or environment.
Digital Technologies Year 3 and 4 	Digital Technologies Year 3 and 4 	Numeracy Progression 	Numeracy Progression 
Elaboration Running and testing a program to check it performs as expected.	Elaboration Writing programs that make decisions involving comparison.	Number sense and algebra: Additive strategies ----- Flexible strategies with three-digit numbers and beyond Uses place value, standard and non-standard partitioning, trading or exchanging of units to mentally add and subtract numbers with 33 or more digits.	Number sense and algebra: Additive strategies ----- Flexible strategies with three-digit numbers and beyond Chooses and uses strategies including algorithms and technology to efficiently solve additive problems.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Number sense and algebra: Additive strategies ----- Flexible strategies with three-digit numbers and beyond Uses estimation to determine the reasonableness of the solution to an additive problem.	Number sense and algebra: Additive strategies ----- Flexible strategies with three-digit numbers and beyond Represents a wide range of familiar real-world additive situations involving large numbers as standard number sentences explaining their reasoning.	Number sense and algebra: Multiplicative strategies ----- Flexible strategies for single digit multiplication and division Draws on the structure of multiplication to use known multiples in calculating related multiples.	Number sense and algebra: Multiplicative strategies ----- Flexible strategies for single digit multiplication and division Interprets a range of multiplicative situations using the context of the problem to form a number sentence.

Digital Technologies | Year 3 and 4

Numeracy Progression  Number sense and algebra: Multiplicative strategies Flexible strategies for single digit multiplication and division Demonstrates flexibility in the use of single-digit multiplication facts.	Numeracy Progression  Number sense and algebra: Multiplicative strategies Flexible strategies for single digit multiplication and division Uses the commutative and distributive properties of multiplication to aid computation when solving problems.	Numeracy Progression  Number sense and algebra: Multiplicative strategies Flexible strategies for single digit multiplication and division Explains the idea of a remainder as what is “left over” from the division.	Numeracy Progression  Number sense and algebra: Multiplicative strategies Flexible strategies for multiplication and division Uses multiplication and division as inverse operations to solve problems, including solving problems with digital tools and to justify a solution.
Numeracy Progression  Number sense and algebra: Multiplicative strategies Flexible strategies for multiplication and division Uses known mental and written strategies such as using the distributive property, partitioning into place value or factors to solve multiplicative problems involving numbers with up to 33 digits and can justify their use.	Numeracy Progression  Number sense and algebra: Multiplicative strategies Flexible strategies for multiplication and division Uses estimation and rounding to check the reasonableness of products and quotients.	Numeracy Progression  Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting categorical data Designs survey questions to collect categorical data.	Numeracy Progression  Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting categorical data Collects, records and displays one-variable data in variety of ways such as tables, charts, plots and graphs using the appropriate digital tools.
Numeracy Progression  Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting categorical data Displays and interprets categorical data in one-to-many data displays.	Numeracy Progression  Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting categorical data Interprets and represents categorical data in simple displays such as bar and column graphs, pie charts, models, maps, colour wheels, and pictorial timelines, and makes simple inferences from such displays.	Numeracy Progression  Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting categorical data Makes comparisons from categorical data displays using relative heights from a common baseline.	Numeracy Progression  Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Collects and records discrete numerical data using an appropriate method for recording.
Numeracy Progression  Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Constructs graphical representations of numerical data and explains the difference between continuous and discrete data.	Numeracy Progression  Statistics and probability: Interpreting and representing data Collecting, displaying and interpreting numerical data Explains how data displays can be misleading. Interprets visual representations of data displayed using a multi-unit scale, reading values between the marked units and describing any variation and trends in the data.	Numeracy Progression  Measurement and geometry: Positioning and locating Using formal maps and plans Locates position on maps using grid references.	Numeracy Progression  Measurement and geometry: Positioning and locating Using formal maps and plans Describes routes using landmarks and directional language including reference to quarter, half, three-quarter turns; turns to the left and right; clockwise and anticlockwise turns.
Numeracy Progression  Measurement and geometry: Positioning and locating Using formal maps and plans Interprets keys, simple scales and compass directions contained within a map to locate features.			

Digital Technologies | Year 5 and 6

Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 
Content Descriptor Explain how digital systems represent all data using numbers.	Content Descriptor Design algorithms involving multiple alternatives (branching) and iteration.	Content Descriptor Implement algorithms as visual programs involving control structures, variables and input.	Elaboration Representing data using whole numbers and recognising this is how digital systems represent data.
Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 
Elaboration Designing an algorithm including branching and iteration which responds to data.	Elaboration Explaining how the data type used to represent data changes the operations that can be performed on it.	Elaboration Designing an algorithm or understanding and modifying an existing algorithm to fix an error or change functionality.	Elaboration Designing an algorithm or understanding and modifying an existing algorithm to fix an error or change functionality.
Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 
Elaboration Constructing more than one sequence of steps that solve the same problem and explaining why one is better than the other.	Elaboration Modelling a decision that has more than 2 options to select the next step.	Elaboration Planning algorithms that repeat until a condition is met.	Elaboration Writing programs that repeat multiple steps based on the user's input.
Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 	Digital Technologies Year 5 and 6 	Numeracy Progression 
Elaboration Writing and editing programs to solve problems using branching, iteration and variables in a visual programming environment.	Elaboration Stating the expected behaviour of a program, running the program to check it is correct and fixing any errors.	Elaboration Writing programs that repeat multiple steps based on the user's input.	Measurement and geometry: Understanding geometric properties Properties of shapes and objects Classifies three-dimensional objects according to their properties.
Numeracy Progression 	Numeracy Progression 	Numeracy Progression 	Numeracy Progression 
Measurement and geometry: Understanding geometric properties Properties of shapes and objects Creates two-dimensional nets for pyramids and prisms.	Measurement and geometry: Understanding geometric properties Transformations Uses combinations of reflecting, translating and rotating shapes to describe and create patterns and solve problems.	Measurement and geometry: Understanding geometric properties Transformations Identifies tessellations used in the environment and explains why some combinations of shapes will tessellate while others will not.	Measurement and geometry: Understanding geometric properties Transformations Explains the result of changing critical and non-critical properties of shapes.

Digital Technologies | Year 5 and 6

<p>Numeracy Progression </p> <p>Measurement and geometry: Understanding geometric properties</p> <p>Angles</p> <p>Identifies supplementary and complementary angles and uses them to solve problems.</p>	<p>Numeracy Progression </p> <p>Measurement and geometry: Understanding geometric properties</p> <p>Angles</p> <p>Identifies that angles at a point add to 360° and that vertically opposite angles are equal and reasons to solve problems.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <p>Numeral recognition and identification</p> <p>Reads, represents, interprets and uses negative numbers in computation.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <p>Place value</p> <p>Identifies that negative numbers are integers that represent both size and direction.</p>
<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <p>Place value</p> <p>Understands that multiplying and dividing numbers by 10,100,1000 changes the positional value of the digits.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Number and place value</p> <p>Place value</p> <p>Rounds decimals to a specified number of decimal places for a purpose.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting numerical data</p> <p>Collects and records discrete numerical data using an appropriate method for recording.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting numerical data</p> <p>Constructs graphical representations of numerical data and explains the difference between continuous and discrete data.</p>
<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting numerical data</p> <p>Explains how data displays can be misleading.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Interpreting and representing data</p> <p>Collecting, displaying and interpreting numerical data</p> <p>Interprets visual representations of data displayed using a multi-unit scale, reading values between the marked units and describing any variation and trends in the data.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Understanding chance</p> <p>Probabilities</p> <p>Expresses the theoretical probability of an event as the number of ways an event can happen out of the total number of possibilities.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Understanding chance</p> <p>Probabilities</p> <p>Identifies a range of chance events that have a probability from 0–10.</p>
<p>Numeracy Progression </p> <p>Statistics and probability: Understanding chance</p> <p>Probabilities</p> <p>Describes probabilities as fractions of one.</p>	<p>Numeracy Progression </p> <p>Statistics and probability: Understanding chance</p> <p>Probabilities</p> <p>Expresses probabilities as fractions, decimals, percentages and ratios recognising that all probabilities lie on a measurement scale of zero to one.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Multiplicative strategies</p> <p>Flexible strategies for multiplication and division</p> <p>Uses known mental and written strategies such as using the distributive property, partitioning into place value or factors to solve multiplicative problems involving numbers with up to 3 digits and can justify their use.</p>	<p>Numeracy Progression </p> <p>Number sense and algebra: Multiplicative strategies</p> <p>Flexible strategies for multiplication and division</p> <p>Uses multiplication and division as inverse operations to solve problems, including solving problems with digital tools and to justify a solution.</p>

Digital Technologies | Year 5 and 6

Numeracy Progression

Number sense and algebra: Multiplicative strategies

Flexible strategies for multiplication and division

Uses estimation and rounding to check the reasonableness of products and quotients.

Numeracy Progression

Number sense and algebra: Number patterns and algebraic thinking

Generalising patterns

Creates and interprets tables used to summarise patterns.

Numeracy Progression

Number sense and algebra: Number patterns and algebraic thinking

Generalising patterns

Relates the position number of shapes within a pattern to the rule for the sequence.

Numeracy Progression

Number sense and algebra: Number patterns and algebraic thinking

Generalising patterns

Determines a higher term of a pattern using the pattern's rule.

Numeracy Progression

Number sense and algebra: Number patterns and algebraic thinking

Generalising patterns

Extends number patterns to include rational numbers.

Numeracy Progression

Number sense and algebra: Number patterns and algebraic thinking

Relational thinking

Solves numerical equations involving one or more operations following conventions of order of operations.

Numeracy Progression

Number sense and algebra: Number patterns and algebraic thinking

Relational thinking

Identifies and uses equivalence in number sentences to solve multiplicative problems involving numerical equations.