

## 3-IN-1 CAR COMBO

Year Level	SCIENCE	TECHNOLOGY	ENGINEERING	ARTS (LITERACY)	ARTS (MEDIA)	MATHS
PREP	<p><b>Science Understanding: Chemical sciences</b> Objects are made of materials that have observable properties (<a href="#">ACSSU003</a>)</p> <p><b>Physical sciences</b> The way objects move depends on a variety of factors, including their size and shape (<a href="#">ACSSU005</a>)</p> <p><b>Nature and development of science</b> Science involves observing, asking questions about, and describing changes in, objects and events (<a href="#">ACSHE013</a>)</p>	<p>Explore the characteristics and properties of materials and components that are used to produce designed solution (<a href="#">ACTDEK004</a>)</p>	<p>Identify how people design and produce familiar products, services and environments and consider sustainability to meet personal and local community needs (<a href="#">ACTDEK001</a>)</p> <p>Explore how technologies use forces to create movement in products (<a href="#">ACTDEK002</a>)</p>			<p><b>Shape</b> Sort, describe and name familiar two-dimensional shapes and three-dimensional objects in the environment (<a href="#">ACMMG009</a>)</p> <p><b>Location and transformation</b> Describe position and movement (<a href="#">ACMMG010</a>)</p>

**Science Inquiry Skills**

**Questioning and predicting**

Pose and respond to questions about familiar objects and events ([AC SIS014](#))

**Planning and conducting**

Participate in guided investigations and make observations using the senses ([AC SIS011](#))

**Processing and analysing data and information**

Engage in discussions about observations and represent ideas ([AC SIS233](#))

**Communicating: Share observations** and ideas ([AC SIS012](#))

<p>YEAR ONE</p>	<p><b>Earth and space sciences</b> Observable changes occur in the sky and landscape(ACSSU019 - Scootle )</p> <p><b>Physical sciences</b> Light and sound are produced by a range of sources and can be sensed (ACSSU020 - Scootle )</p> <p><b>Science as a Human Endeavour</b></p> <p><b>Nature and development of science</b> Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE021 - Scootle )</p>	<p>Explore the characteristics and properties of materials and components that are used to produce designed solution (<a href="#">ACTDEK004</a>)</p>	<p><b>Knowledge and Understanding</b></p> <p>Identify how people design and produce familiar products, services and environments and consider sustainability to meet personal and local community needs (<a href="#">ACTDEK001</a>)</p> <p>Explore how technologies use forces to create movement in products (<a href="#">ACTDEK002</a>)</p> <p>Explore the characteristics and properties of materials and components that are used to produce designed solutions (<a href="#">ACTDEK004</a>)</p>			<p><b>Shape</b> Recognise and classify familiar two-dimensional shapes and three-dimensional objects using obvious features (<a href="#">ACMMG022</a>)</p>
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	<p><b>Use and influence of science</b> People use science in their daily lives, including when caring for their environment and living things (ACSHE022 - Scootle )</p> <p><b>Science Inquiry Skills</b></p> <p><b>Questioning and predicting</b> Pose and respond to questions, and make predictions about familiar objects and events (ACSIS024 - Scootle )</p> <p><b>Planning and conducting</b> Participate in guided investigations to explore and answer</p>					
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<p>questions (ACSIS025 - Scootle )</p> <p>Use informal measurements to collect and record observations, using digital technologies as appropriate (ACSIS026 - Scootle)</p> <p><b>Processing and analysing data and information</b></p> <p>Use a range of methods to sort information, including drawings and provided tables and through discussion, compare observations with predictions (ACSIS027 - Scootle )</p> <p><b>Evaluating</b></p> <p>Compare observations with those of</p>					
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	<p>others (ACSIS213 - Scootle )</p> <p><b>Communicating</b> Represent and communicate observations and ideas in a variety of ways (ACSIS029 - Scootle )</p>					
YEAR TWO	<p><b>Physical sciences</b> A push or a pull affects how an object moves or changes shape (ACSSU033)</p> <p><b>Science as a Human Endeavour</b></p> <p><b>Nature and development of science</b> Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE034 )</p>	<p>Explore the characteristics and properties of materials and components that are used to produce designed solution (<a href="#">ACTDEK004</a>)</p>				

**Science  
Inquiry Skills**

**Questioning and  
predicting**

Pose and respond to questions, and make predictions about familiar objects and events ([AC SIS037](#))

**Planning and  
conducting**

Participate in guided investigations to explore and answer questions ([AC SIS038 - Scootle](#))

Use informal measurements to collect and record observations, using digital technologies as appropriate ([AC SIS039](#))

**Processing and  
analysing data and  
information**

Use a range of methods to sort

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	<p>information, including drawings and provided tables and through discussion, compare observations with predictions (<a href="#">ACSIS040</a>)</p> <p><b>Evaluating</b> Compare observations with those of others (<a href="#">ACSIS041</a>)</p> <p><b>Communicating</b> Represent and communicate observations and ideas in a variety of ways (<a href="#">ACSIS042</a>)</p>					
YEAR THREE		<p>Investigate the suitability of materials, systems, components, tools and equipment for a range of purposes (<a href="#">ACTDEK013</a>)</p> <p>Critique needs or opportunities for designing and explore and test a variety of materials, components, tools and equipment and the</p>				<p><b>Shape</b> Make models of three-dimensional objects and describe key features (<a href="#">ACMMG063</a>)</p>

		<p>techniques needed to produce designed solution(<a href="#">ACTDEP014</a>)</p> <p>Generate, develop, and communicate design ideas and decisions using appropriate technical terms and graphical representation techniques (<a href="#">ACTDEP015</a>)</p> <p>Select and use materials, components, tools, equipment and techniques and use safe work practices to make designed solutions (<a href="#">ACTDEP016</a>)</p> <p>Evaluate design ideas, processes and solutions based on criteria for success developed with guidance and including care for the environment (<a href="#">ACTDEP017</a>)</p> <p>Plan a sequence of production steps when making designed solutions individually and collaboratively(<a href="#">ACTDEP018</a>)</p>				
YEAR FOUR	Investigate the suitability of materials, systems, components, tools and equipment for a range of	<p>Critique needs or opportunities for designing and explore and test a variety of materials, components, tools and equipment and the techniques needed to produce designed solution(<a href="#">ACTDEP014</a>)</p>				<p><b>Geometric reasoning</b></p> <p>Compare angles and classify them as equal to, greater than, or less than, a right angle (<a href="#">ACMMG089</a>)</p>

	<p>purposes (<a href="#">ACTDE K013</a>)</p>	<p>Generate, develop, and communicate design ideas and decisions using appropriate technical terms and graphical representation techniques (<a href="#">ACTDEP015</a>)          Select and use materials, components, tools, equipment and techniques and use safe work practices to make designed solutions (<a href="#">ACTDEP016</a>)          Evaluate design ideas, processes and solutions based on criteria for success developed with guidance and including care for the environment (<a href="#">ACTDEP017</a>)          Plan a sequence of production steps when making designed solutions individually and collaboratively(<a href="#">ACTDEP018</a>)</p>				
<p>YEAR FIVE</p>		<p>Examine how people in design and technologies occupations address competing considerations, including sustainability in the design of products, services, and environments for current and future use(<a href="#">ACTDEK019</a>)          Investigate how electrical energy can control movement, sound or</p>				

		<p>light in a designed product or system (<a href="#">ACTDEK020</a>)</p> <p>Critique needs or opportunities for designing, and investigate materials, components, tools, equipment and processes to achieve intended designed solutions (<a href="#">ACTDEP024</a>)</p> <p>Select appropriate materials, components, tools, equipment and techniques and apply safe procedures to make designed solutions (<a href="#">ACTDEP026</a>)</p>				
YEAR SIX		<p>Examine how people in design and technologies occupations address competing considerations, including sustainability in the design of products, services, and environments for current and future use(<a href="#">ACTDEK019</a>)</p> <p>Investigate how electrical energy can control movement, sound or light in a designed product or system (<a href="#">ACTDEK020</a>)</p>				<p>Solve problems involving the comparison of lengths and areas using appropriate units (<a href="#">ACMMG137</a>)</p> <p><b>Location and transformation</b> Investigate combinations of translations, reflections and rotations, with and without the use of digital technologies (<a href="#">ACMMG142</a>)</p> <p><b>Geometric reasoning</b></p>

Critique needs or opportunities for designing, and investigate materials, components, tools, equipment and processes to achieve intended designed solutions ([ACTDEP024](#))

Select appropriate materials, components, tools, equipment and techniques and apply safe procedures to make designed solutions ([ACTDEP026](#))

Investigate, with and without digital technologies, angles on a straight line, angles at a point and vertically opposite angles. Use results to find unknown angles ([ACMMG141](#))