

TECHNOLOGY			
By the end of Year 3	By the end of Year 5	By the end of Year 7	By the end of Year 9
<p>Students use their imagination and creativity to make sense of the designed world as they investigate products used in everyday situations and identify how these meet needs and wants. They develop an understanding of characteristics of a range of resources (information, materials and/or systems). They gain an awareness of local Australian resources and how these have contributed to technology processes and products, in the past and present. They see the place of technology in people's work and community lives.</p> <p>Students use the essential processes of Ways of working to develop and demonstrate their Knowledge and understanding. They work technologically, individually and collaboratively to develop creative responses to design situations. They explore the use of technology practice. They suggest and communicate design ideas based on their own experiences and investigations. They manipulate and process resources and consider what has worked well and what could be improved. They reflect on their learning and consider the uses and impacts of technology in familiar everyday situations.</p> <p>Students use tools and technologies, including information and communication technologies (ICTs). They explore the use of ICTs to inquire, create and communicate within technology contexts.</p> <p>Students demonstrate evidence of their learning over time in relation to the following assessable elements:</p> <ul style="list-style-type: none"> • knowledge and understanding • investigating and designing • producing • evaluating • reflecting. 	<p>Students explore the designed world and recognise that they can be both users and creators of technology. They identify and understand the characteristics of a range of resources (information, materials and/or systems) and assess their suitability for a specific purpose and context. They investigate the characteristics of Australian resources and their impact on technology products and processes of the past and present. They understand that technology can contribute to many different kinds of activities, including work and leisure. They are aware that people of all ages and backgrounds choose to work in technology-related fields.</p> <p>Students use the essential processes of Ways of working to develop and demonstrate their Knowledge and understanding. They develop their ability to work technologically by generating, assessing and communicating design ideas and by selecting, manipulating and processing resources, to individually and collaboratively design and make products. They analyse how technology and its products and processes impact on people, their environments and local communities. They reflect on their learning and evaluate products and processes.</p> <p>Students select and use tools and technologies, including information and communication technologies (ICTs), in purposeful ways. They use ICTs as an integral component of their learning, to inquire, create and communicate within technology contexts.</p> <p>Students demonstrate evidence of their learning over time in relation to the following assessable elements:</p> <ul style="list-style-type: none"> • knowledge and understanding • investigating and designing • producing • evaluating • reflecting. 	<p>Students use their understandings of the relationships between technology and society to consider the roles people play in shaping products and processes. They use their imagination and creativity to investigate and identify needs, wants, design specifications and constraints. They understand the characteristics of a range of resources (information, materials and/or systems) and assess their suitability for a specific purpose and context. They compare and describe the characteristics of Australian and imported resources, investigating their impact on Australian technological processes and products. They investigate design challenges and consider the roles that people play in shaping technologies to meet changing needs and wants and preferred futures. They recognise the many different fields of technology and the people who work in occupations that use technology to design solutions for community needs.</p> <p>Students use the essential processes of Ways of working to develop and demonstrate their Knowledge and understanding. They individually and collaboratively develop their ability to work technologically by generating, assessing and communicating design ideas and by selecting and using resources, tools and techniques, to design and make products to meet specifications. They analyse and respond to decisions about technology and its impact on people, their environments and their communities. They reflect on their learning and evaluate the suitability of products and processes and recommend improvements.</p> <p>Students select and use tools and technologies, including information and communication technologies (ICTs), in purposeful ways. They make use of the potential that ICTs provide to inquire, create and communicate within technology contexts.</p> <p>Students demonstrate evidence of their learning over time in relation to the following assessable elements:</p> <ul style="list-style-type: none"> • knowledge and understanding • investigating and designing • producing • evaluating • reflecting. 	<p>Students explore the role of technology in society from a range of perspectives. They use their imagination and creativity to develop design solutions and make design and production decisions that demonstrate consideration of the context, specifications, constraints and management requirements. They understand how information, materials and systems can be combined in innovative ways in response to real-world situations. They understand the importance of matching characteristics of resources to detailed specifications and standards. They investigate the contributions, past and present, of technological processes and products within local, national and global markets. They recognise that technology has a rich history and has developed into a large number of increasingly overlapping fields that provide career opportunities.</p> <p>Students use the essential processes of Ways of working to develop and demonstrate their Knowledge and understanding. When thinking and working technologically, they individually and collaboratively select tools and implement techniques to manipulate and process, and control and manage, information, materials and/or systems components. They make products to detailed specifications and standards. They analyse the role of technology and its impacts and consequences for people, their environments and their communities in local and global contexts. They reflect on their learning and evaluate the suitability of their own and others' products and processes and recommend improvements.</p> <p>Students select and use a range of tools and technologies, including information communication technologies (ICTs). They routinely demonstrate an autonomous and purposeful use of ICTs to inquire, create and communicate within technology contexts.</p> <p>Students demonstrate evidence of their learning over time in relation to the following assessable elements:</p> <ul style="list-style-type: none"> • knowledge and understanding • investigating and designing • producing • evaluating • reflecting.