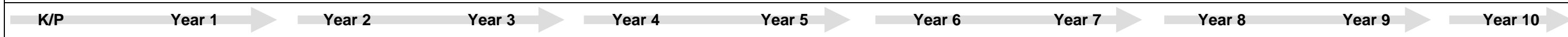**Organisation of content into year levels is advisory. Teachers will continue to make professional judgements about when to introduce content based on students' prior learning and achievement.**

K-10 OVERVIEW

K-10 overview: Technology and Enterprise/Technology Process – *Students apply a technology process to create or modify products, processes, systems, services or environments to meet human needs and realise opportunities.*

Overview of content:

K/P	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Investigating										
• the form (shape, size, weight, colour and texture) of an everyday product is linked to its use	• the form (shape, size, weight, colour and texture) of an everyday product is linked to its use	• technology has been developed over time to meet human needs and wants	• technology has been developed over time to meet human needs and wants	• ways to identify design features that exist in familiar technologies	• ways to identify a variety of design features that exist in technologies beyond their personal use or familiar experiences	• ways to identify a variety of design features that exist in technologies beyond their personal use or familiar experiences	• ways to identify design features of technologies, especially aesthetic qualities and the social and environmental impacts	• ways to recognise design features of technologies, especially functional, aesthetic and environmental impacts	• ways to relate design features of technologies, especially functional, aesthetic, environmental and ethical impacts, to needs and circumstances	• ways to relate design features of technologies, especially functional, aesthetic, environmental and ethical impacts, to needs and circumstances
• how products meet human needs and assist in daily living	• how products meet human needs and assist in daily living	• individuals make different choices about technology based on what they think is important according to their values, attitudes and beliefs	• individuals make different choices about technology based on what they think is important according to their values, attitudes and beliefs	• technology ideas and practices are developed to meet needs and realise opportunities	• issues, values, needs and opportunities need to be considered when developing technology ideas and practices	• issues, values, needs and opportunities need to be considered when developing technology ideas and practices	• technologies are created that reflect beliefs and values of both the user and the developer	• technologies are created that reflect beliefs and values of both the user and the developer	• ways to determine appropriateness of a product or process that reflects the values of the user and the developer	• ways to determine appropriateness of a product or process that reflects the values of the user and the developer
							• to select and use research methods to gain information	• to select and use research methods to gain information	• ways to identify and use relevant and valid information sources and research methods	• ways to identify and use relevant and valid information sources and research methods
							• ways to safely investigate issues and opportunities	• ways to safely investigate issues and opportunities	• ways to safely investigate issues and opportunities	• ways to safely investigate issues and opportunities
							• ways to identify factors affecting technological development	• ways to identify factors affecting technological development	• ways to explore the suitability of products or processes, giving consideration to the social and environmental issues and the needs of consumers	• ways to explore the suitability of products or processes, giving consideration to the social and environmental issues and the needs of consumers
Devising										
• simple ways to generate ideas for solving technology requirements	• simple ways to generate ideas for solving technology requirements	• strategies for generating ideas when selecting and using resources and equipment	• strategies for generating ideas when selecting and using resources and equipment	• a variety of strategies for generating ideas	• strategies for generating ideas and planning ways to process materials, taking into account audience and purpose	• strategies for generating ideas and planning ways to process materials, taking into account audience and purpose, users and context	• strategies for examining alternative ways to meet identified needs and wants	• strategies for examining alternative ways to meet identified needs and wants	• strategies to select and justify, the most appropriate solution to a problem based on identified criteria and constraints range of options	• strategies to select and justify, the most appropriate solution to a problem based on identified criteria and constraints range of options
• to use basic drawings and simple models to represent their ideas	• to use basic drawings and simple models to represent their ideas	• a range of recording methods to represent ideas	• a range of recording methods to represent ideas	• a range of recording methods to represent ideas	• that designs can be created using a variety of recording methods that combine drawings, models, and written notes	• that designs can be created using a variety of recording methods that combine drawings, models and written notes	• that aesthetic, environmental and social factors need to be considered when devising technology designs	• that aesthetic, environmental and social factors need to be considered when devising technology designs	• ways to generate ideas and designs that reflect aesthetic, social and environmental values	• ways to generate ideas and designs that reflect aesthetic, social and environmental values

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K-10 OVERVIEW

Overview of content:

K/P	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Devising (continued)										
		• ways to consider and compare alternative ideas	• ways to consider and compare alternative ideas	• ways to share and compare ideas taking into account practical considerations	• ways for communicating ideas, taking into account audience and purpose	• ways for communicating ideas, taking into account audience and purpose	• ways of presenting and communicating personal ideas, considering such factors as delivery medium, time and available resources	• ways of presenting and communicating personal ideas, considering such factors as delivery medium, time and available resources	• to compare and select appropriate techniques to document and communicate the components of the design proposal	• to compare and select appropriate techniques to document and communicate the components of the design proposal
• simple words and terms associated with products	• simple words and terms associated with products	• specific terminology associated with products	• specific terminology associated with products	• relevant terminology and names to describe technology products	• relevant terminology and names to describe technology products	• technical terminology and names to describe technology products that contribute to common understandings between users and consumers	• a range of representations and recognisable conventions, symbols and technical terms that describe the components of their design	• a range of representations and recognisable conventions, symbols and technical terms that describe the components of their design	• ways to use recognised conventions, symbols and technical terms, diagrams, prototypes or models to communicate and compare design solutions	• ways to use recognised conventions, symbols and technical terms, diagrams, prototypes or models to communicate and compare design solutions
Producing										
• safe use of simple tools and equipment	• safe use of simple tools and equipment	• safety procedures for using tools, resources and equipment	• safety procedures for using tools, resources and equipment	• safe and efficient use and selection of resources	• safe and efficient use and selection of resources	• techniques for identifying and managing risks and hazards	• techniques for identifying, and managing risks and hazards	• techniques for identifying,and managing risks and hazards	• to apply rules and techniques for working safely including procedural requirements	• to apply rules and techniques for working safely including procedural requirements
• simple steps involved in making technology products	• simple steps involved in making technology products	• sequenced processes for creating products	• sequenced processes for creating products	• simple, sequential planning and production processes	• simple, sequential planning and production processes	• organised, efficient processes suitable for creating specific products	• organised, efficient processes suitable for creating specific products	• organised, efficient processes suitable for creating specific products	• ways to identify and manage constraints, resources and tasks efficiently	• ways to identify and manage constraints, resources and tasks efficiently
• ways to share and care for resources and equipment	• ways to share and care for resources and equipment	• when and how to care for and share resources and equipment	• when and how to care for and share resources and equipment	• cooperative strategies for working with others	• cooperative strategies for working with others	• problem-solving strategies to apply when circumstances change	• problem-solving strategies to select and apply when circumstances change	• problem-solving strategies to select and apply when circumstances change	• to select and apply problem-solving strategies to adjust production processes to changing circumstances	• to select and apply problem-solving strategies to adjust production processes to changing circumstances
						• strategies for using resources efficiently	• ways to use maintain and care for tools, materials and equipment	• ways to use, maintain and care for tools, materials and equipment	• to use specialised techniques and efficient practices to produce a product that is of a specified standard	• to use specialised techniques and efficient practices to produce a product that is of a specified standard
• practicalities relevant to the creation of products	• practicalities relevant to the creation of products	• practical constraints when creating a product	• practical constraints when creating a product	• how to identify and work within practical constraints	• how to identify and work within practical constraints	• ways to share workload and manage groups	• ways to manage time, materials and resources within constraints	• ways to manage time, materials and resources within constraints	• ways to make adjustments to plans to overcome production difficulties and meet specifications	• ways to make adjustments to plans to overcome production difficulties and meet specifications

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K-10 OVERVIEW

Overview of content:

K/P	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
					Evaluating					
• basic strategies to modify products and processes in response to discussions with peers and teacher	• basic strategies to modify products and processes in response to discussions with peers and teacher	• ways to modify, improve and adapt work based upon reactions and comparisons	• ways to modify, improve and adapt work based upon reactions and comparisons	• ways to modify, improve and adapt work based upon reactions and comparisons	• formal and informal ways to consider and communicate personal work	• formal and informal ways to consider and communicate personal work	• ways to develop criteria by which to assess success in using a technology process	• ways to develop criteria by which to assess success in using a technology process	• ways to assess and document effectiveness of own designs, processes and products in relation to design requirements and make appropriate recommendations	• ways to assess and document effectiveness of own designs, processes and products in relation to design requirements and make appropriate recommendations
		• methods of explaining how their product works	• methods of explaining how their product works	• methods to communicate about technology products and processes	• ways to develop criteria by which to evaluate work	• ways to develop criteria by which to evaluate work	• ways to set criteria and evaluation methods based upon design requirements	• ways to set criteria and evaluation methods based upon design requirements	• ways to reflect critically on criteria, quality and proposed function of the product and/or process and suggest improvements	• ways to reflect critically on criteria, quality and proposed function of the product and/or process and suggest improvements
• simple ways to compare products they create with their original intentions	• simple ways to compare products they create with their original intentions	• formal ways to compare products created with original intentions	• formal ways to compare products created with original intentions	• that criteria can be used to judge the success of their ideas and products	• that criteria can be used to judge the success of their ideas and products	• ways to develop aesthetic, social and environmental criteria that determine suitability of products and processes used and developed	• ways to compare and develop aesthetic, social and environmental criteria that determine suitability of products and processes used and developed	• ways to compare and develop aesthetic, social and environmental criteria that determine suitability of products and processes used and developed	• ways to select and apply methods to determine the effectiveness of products or processes to meet aesthetic, social and environmental criteria	• ways to select and apply methods to determine the effectiveness of products or processes to meet aesthetic, social and environmental criteria