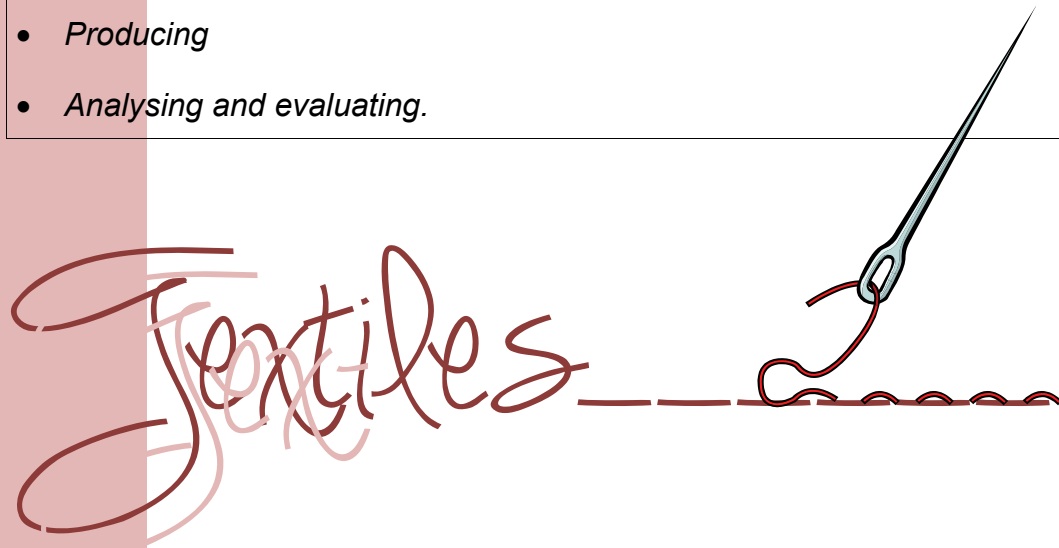


Standards in the Design, Creativity and Technology domain are organised in three dimensions:

- *Investigating and designing*
- *Producing*
- *Analysing and evaluating.*



- posing problems and actively identifying needs, wants, opportunities and areas for improvement
- gathering information and building knowledge about the nature of needs, wants, opportunities and areas for improvement and the best routes to take towards designing a solution
- developing and using design and technology skills, knowledge and processes, including proposing, experimenting, learning from results and synthesising, to create new and/or improved products and/or systems
- using tools, equipment, materials/ingredients and systems components safely and creatively to make quality products and/or systems
- understanding that design, creativity and technology leads to innovation
- assessing the outcomes of design and technology processes, and the resulting products and technological systems in relation to environmental, social and economic factors.

Investigating and designing

In the *Investigating and designing* dimension, students identify ideas, problems, needs, wants and opportunities. A design brief can be a starting point or it can be developed to clearly define the idea, problem, need, want or opportunity and requirements for a solution. Students undertake research and investigation to identify the human, material, equipment, and/or energy resources available to meet the idea, problem, need, want or opportunity.

Students combine practical and design skills with knowledge, skills and behaviours from other domains to select and record creative methods of generating and depicting design possibilities and options. They devise a plan to outline the processes involved in making a product, and select and justify the option that best meets the requirements of the design brief.

Producing

The *Producing* dimension involves students in the management of the production phase and includes the appropriate selection and safe manipulation and use of tools, equipment, materials/ingredients and components to carry out processes appropriate to the materials/ingredients or assembly of systems components to produce a quality product or technological system.

Students explore, share and use both traditional and more innovative techniques. They reflect upon their progress and alter plans as appropriate. Progress and changes to plans are reflected upon and altered as appropriate.

Analysing and evaluating

In the *Analysing and evaluating* dimension, students compare the outcomes of design and production activities with earlier design work and planned intentions. Following the application of testing, improvements, modifications and alternative approaches are considered.

This dimension also involves students in describing, analysing and evaluating the impact and value of both their own and others' technological products, technological systems, processes and innovations (past, present and predicted future) on the individual, society and culture, the environment and the economy. This includes consideration of sustainability issues.

Design & Technology

Idea, problem, need, want or opportunity.	Investigating & Designing	Producing	Evaluating
<p>To create a 3 dimensional needle felted item .</p> <ul style="list-style-type: none"> • Animal • Fruit or vegetable • Small figure • Face <p>Write up a design brief outlining what it is you are going to do and how it will be achieved. Use the guidelines referring to Investigating and designing, Producing and evaluating to help you. Think creatively and use the correct language.</p>	<ul style="list-style-type: none"> • Research needle felting and get ideas on how to do the technique. <ul style="list-style-type: none"> • Start a Pinterest board • YouTube videos • Websites (use One Note) • List materials required. • Get ideas for what you are going to do. Collect and present neatly in your workbook. Annotate and reference. • Sketch ideas. • Create pages in your workbook that reference the ideas you intend to follow. • Plan a work schedule. • Identify any limitations or constraints in your ideas. 	<ul style="list-style-type: none"> • Collect and source all materials and plan work output. • Cost all materials and present for evaluation and ordering—allow time for the ordering process and be prepared to source some materials yourself if required. • Trial and develop your project. • Identify modifications you make if required. 	<p>Photograph the stages of your work and document in your visual diary. Identify anything that was successful or not so successful and what have you learnt from the experience. Would you do anything differently?</p>
<p>Wet felting.</p> <ul style="list-style-type: none"> • Felting a piece of fabric for a purpose. • Nuno felting. • Felting and repurposing a garment. 	<ul style="list-style-type: none"> • Research the techniques of wet felting for the purpose of your intended project. <ul style="list-style-type: none"> • Start a Pinterest board • YouTube videos • Websites (use One Note) • List materials required. • Get ideas for what you are going to do. Collect and present neatly in your workbook. Annotate and reference. • Sketch ideas. • Create pages in your workbook that reference the ideas you intend to follow. • Plan a work schedule. • Identify any limitations or constraints in your ideas. 	<ul style="list-style-type: none"> • Collect and source all materials and plan work output. • Cost all materials and present for evaluation and ordering—allow time for the ordering process and be prepared to source some materials yourself if required. • Create some trial pieces. • Trial and develop your project. • Identify modifications you make if required. 	<p>Photograph the stages of your work and document in your visual diary. Identify anything that was successful or not so successful and what have you learnt from the experience. Would you do anything differently?</p>
<p>Tilda doll</p> <ul style="list-style-type: none"> • Define what constitutes a Tilda Doll. • Look at variations of Tilda dolls, these could be human or animal form. • Design and create a Tilda doll. This may be a commercial pattern or a patterns that you have adapted. 	<ul style="list-style-type: none"> • Research the techniques of creating a Tilda doll for the purpose of your intended project. <ul style="list-style-type: none"> • Start a Pinterest board • YouTube videos • Websites (use One Note) • List materials required. • Get ideas for what you are going to do. Collect and present neatly in your workbook. Annotate and reference. • Sketch ideas. Make notes • Create pages in your workbook that reference the ideas you intend to follow. • Plan a work schedule. • Identify any limitations or constraints in your ideas. 	<ul style="list-style-type: none"> • Collect and source all materials and plan work output. • Cost all materials and present for evaluation and ordering—allow time for the ordering process and be prepared to source some materials yourself if required. • Trial and develop your project. • Identify modifications you make if required. • Develop and refine sewing skills by sewing some sample pieces and understanding sewing techniques, seams, finishing etc. • Produce some sample sewing pieces. 	<p>Photograph the stages of your work and document in your visual diary. Keep all trials and notes—even if unsuccessful. Identify anything that was successful or not so successful and what have you learnt from the experience. Would you do anything differently? Present completed work.</p>
<p>Dying—fabric could be used for Tilda doll also. Hacky sack. Dying wool for felting.</p>	<p>Look and explore the use of Procion dyes and dye some sample pieces of fabric for future use. Make simple items such as a hacky sack to demonstrate sewing skills and reinforce sewing machine practices. Incorporate some of the dyed fabric into the Tilda doll task.</p>		
<p>Own choice topic—negotiated. What have you identified that you may like to achieve of your own choice? Use Pinterest to collect and plan some ideas that are achievable in the time frame.</p>			
<p>Yarn art</p> <ul style="list-style-type: none"> • Weaving • Macrame • Knitting • Crocheting • Knitting nancy 			

As a trial, rather than use a visual diary, collate all your work in a file on the laptop, maybe onto A3 and then we can print and bind the result into a booklet at the end!