Diocesan School for Girls
Technology – Fabrics

Senior Programme Plan

						Learning Objectives	Components of Technology
Year 11		Year 12		Year 13			
Shelter	Fashion	Sustain-a-Bag	Streetwear	Fashion Forward-storyboards	Fashion Forward - collection		
✓		✓	✓				Brief Development
		✓	✓	✓			Planning for Practice
	✓	✓	✓		✓		Outcome development and evaluation
✓				✓			Technological Modelling
✓			✓		✓		Technological products
							Technological Systems
	✓						Characteristics of technology
		✓	✓				Characteristics of tech outcomes
✓	✓	✓	✓		✓	Knowledge of textiles construction	
✓					✓	Construct a textiles product	
		✓			✓	Knowledge of Design	

Course Description:
The year 12 course covers two units of work:
- Sustain-a-Bag (Terms 1 and 2)
- Streetwear (Terms 3 and 4)

Each unit runs for two terms. Diocesan School for Girls operates on a seven day timetable. The Year 12 class has six lessons, of fifty-five minutes over seven days. There is one double in the seven days.

The first unit of work (Sustain-a-Bag) provides students with the opportunity to learn about sustainability, life cycle analysis, design innovation and the use of existing materials in the development of a bag as well as construction techniques.

The second unit (Streetwear) provides students with the opportunity to learn about developing a brief to enable conceptual ideas to be developed for streetwear. The students then go on to construct the garments.

Sustain-a-Bag

Learning Outcomes	Learning sequence	Resources	Links to Indicators of Progression	Links to achievement standards
Students will:	Introduce the unit and hand out the guidebook and discuss the project.	Guidebook http://www.nzqa.govt.nz		
	Explain the assessment requirements Download standards from the NZQA site.	Senior year planner Copies of the achievement standards		
Select appropriate planning tools and use these to set goals for their project	Discuss appropriate project management tools used by others and used in previous technology projects.	Various project management examples from the internet. Keywords used in search: Project management tools (Images)	**Technological practice:** Planning for practice	
Justify the fitness for purpose of the bags in terms of physical and functional nature	Research existing bags made from reusable or recycled materials. Discuss physical and functional attributes	A selection of bags made from reused materials.	**Nature of Technology:** Characteristics of technological outcomes **Technological practice:** Outcome development and evaluation	
Develop an issue and identify a need or opportunity	Discuss the qualities of stakeholders and formulate needs and opportunities		**Technological**	

			practice: Brief Development	
Establish a conceptual statement and specifications (considering stakeholder feedback)	Develop an initial brief comprised of a conceptual statement and specifications that reflect the need or opportunity after discussion with stakeholder.			
Generate design ideas that are informed by research and critical analysis of existing bags	Develop conceptual designs for a bag; consider the recycling or reusable materials that will be used. Discuss possible sources of resources	Freehand sketching examples Coloured pencils	**Technological practice:** Outcome development and evaluation	
	Develop patterns of bags from existing bags, existing patterns or from the students own design.	Newsprint Cardboard Patternmaking equipment		
Undertake functional modeling to evaluate design ideas	Construct a functional model to check the design gaining stakeholder feedback throughout.	Calico and other appropriate materials Existing bags purchased from opp shops Sewing machines		
Explain the links between lifecycle design, innovation and sustainability	Research lifecycle analysis, design innovation and sustainability. Apply this knowledge to own	http://levistrauss.com/sustainability/product/life-cycle-jean DVD (VEA) – Textiles –Eco Design Assessment specifications	**Design in Technology:** Knowledge of design	**AS 91363 (2.10)** Demonstrate understanding of sustainability in design

	bag design. Write the report for the external achievement standard.	Handout report information		
	Gather resources (recycled fabrics, garments, bags) and construct the final bag.	Savemart, Opp Shops, Vintage shops etc		**AS91345 (2.21)** Implement advanced procedures using textile materials to make a specified product with special features.
Evaluate the final bag against the specifications, in terms of stakeholder feedback.	Final evaluation against specifications, including stakeholder feedback.		**Technological practice:** Outcome development and evaluation	

Streetwear

Learning Outcomes	Learning sequence	Resources	Links to indicators of progression	Links to achievement standards
Students will: Select appropriate planning tools and use these to set goals for their project	Introduce the project. Discuss project management tools that would be suitable to use to plan the key stages of the project. Look at fashion blogs to research what streetwear is.	http://streetandcityphotos.blogspot.co.nz/ http://www.thesartorialist.com/	**Technological practice:** Planning for Practice	
Justify the fitness for purpose of fashion in	Discuss how streetwear has evolved through		**Nature of technology** Characteristics of Technological Outcomes	

terms of their physical and functional nature and the socio technological environments they are situated in.	history and the social and environmental effects. Group students to research an era and note the fashion trends, social and environmental issues etc.	Vintage fashion magazines Interactive whiteboard – students can present key ideas to the class		
Identify a need or opportunity relevant to their issue	Discuss what streetwear and people's perceptions overseas and in NZ		**Technological practice:** Brief Development	
Establish a conceptual statement that justifies the nature of the outcome and why such an outcome should be developed with ref to the issue.	Discuss possible needs and opportunities in relation to streetwear Identify an environment the streetwear will be designed for			
Establish the specifications for an outcome using stakeholder feedback	Write an initial brief – conceptual statement and specifications			AS 91354 (2.1) Undertake brief development to address an issue
	Develop conceptual designs, gain on going stakeholder feedback, evaluate against specs.	Fashion templates (for sketching) Watercolour pencils	**Technological practice:** Outcome development and evaluation	
Undertake functional modeling to evaluate design ideas and develop	Develop conceptual designs and construct functional models.	Patternmaking equipment Calico or suitable fabric for toiles Garment construction equipment		AS91356 (2.3) Develop a conceptual design for an outcome

and test a conceptual design to provide evidence of the proposed outcome's ability to be fit for the purpose.	Develop a final brief		**Technological practice:** Brief Development	
Discuss a range of subjective and objective evaluative procedures used to determine the suitability of materials and describe the underpinning concepts and processes involved in particular procedures	Research materials and select the most appropriate fabrics for the outcome		**Tech Knowledge:** Technological Products	
	Construct final outcome and evaluate its potential fitness for purpose.	Students purchase suitable resources to construct their outcome	**Technological practice:** Outcome development and evaluation	