# Liverpool Girls' High School

Innovation Excellence Learning



## Design Technology STAGE 6 HSC ~ COURSE OUTLINE

Students study design processes, design theory and factors in relation to design projects.

In the *HSC course*, students undertake a study of innovation and emerging technologies, which includes a case study of an innovation. They also study designing and producing, which includes the completion of a Major Design Project.

#### Main Topics Covered - HSC Course

Innovation and Emerging Technologies, including a case study of innovation. The study of designing and producing includes a Major Design Project. The project folio addresses 3 key areas: project proposal and management, project development and realisation, and project evaluation.



#### **Particular Course Requirements**

In the HSC course the activities of designing and producing that

were studied in the Preliminary course are synthesised and applied. This culminates in the development and realisation of a Major Design Project and the presentation of a case study.

#### **HSC Syllabus Course Outcomes**

- H1.1 Critically analyses the factors affecting design and the development and success of design projects.
- H1.2 Relates the practices and processes of designers and producers to the major design project.
- H2.1 Explains the influence of trends in society on design and production.
- H2.2 Evaluates the impact of design and innovation on society and the environment.
- H3.1 Analyses the factors that influence innovation and the success of innovation.
- H3.2 Uses creative and innovative approaches in designing and producing.
- **H4.1** Identifies a need or opportunity and researches and explores ideas for design development and production of the major design project.
- H4.2 Selects and uses resources responsibly and safely to realise a quality major design project.
- H4.3 Evaluates the processes undertaken and the impacts of the major design project.
- H5.1 Manages the development of a quality major design project.
- H5.2 Selects and uses appropriate research methods and communication techniques.
- **H6.1** Justifies technological activities undertaken in the major design project through the study of industrial and commercial practices.



**H6.2** Critically assesses the emergence and impact of new technologies, and the factors affecting their development.

#### **BOSTES Assessment Information**

External Assessment	Mark	Internal Assessment	Weighting
Written examination – Section I Objective response questions	10	Innovation and emerging technologies: <ul> <li>case study of an innovation</li> </ul>	20
Section II - Short-answer questions	15	<ul> <li>other tasks</li> </ul>	20
Section III – One extended response question	15	Designing and producing	60
Major Design Project	60		
TOTAL MARKS	100	TOTAL MARKS	100

### School Based Evidence of Learning ~ Formal Task Schedule

Task No.	Targeted Outcomes	Learning Context	Task	Date Due	Weighting		Marks
					А	В	
1	H – 1.1, 4.1	Design and Producing	Major Project Proposal	Tm 4 Wk 6		15%	15%
2	H – 1.2, 3.1, 3.2, 5.2	Research and Report	Innovation – Case Study	Tm 1 Wk 6	20%		20%
3	H – 1.1., 4.1, 4.2, 5.1, 6.1,	Designing and Producing	Major Design Project – Management and Development	Tm 2 Wk 5	10%	10%	20%
4	H – 1.1, 1.2, 2.1, 2.2, 3.1, 6.1, 6.2	Innovation and Emerging Technologies and Designing and Producing	Trial HSC Examination	Tm 2 Wk 9/10	10%	25%	35%
5	H – 1.1, 1.2, 2.2, 4.3, 6.2	Designing and Producing	Major Design Project Evaluation	Tm 3 Wk 1		10%	10%
TOTAL					40%	60%	<u>100%</u>

