



Stage 5 Design and Technology

Course plan (200 hours)

Rationale

Auburn Girls' High School is located in the western suburbs of Sydney, near the Olympic site at Homebush. The school serves students from the Auburn-Granville area and also has about 30% out-of-area enrolments. The local community is a diverse mixture of cultures and socio-economic groups where 51% of local residents were born overseas and 58% speak languages other than English. This course plan aims to build on prior learning in Stage 4 Design and Technology mandatory and provide opportunities for students to experience a range of contemporary technologies. The course plan embraces a preferred futures perspective and aims to provide a logical progression of learning from graphic design through digital media to robotics. The emphasis in Year 10 is on student-negotiated projects. Student may choose to repeat one of the focus areas of design or choose to explore a different area of design which may build on prior knowledge from Stage 4 or from their personal experience.

By the end of Stage 5 these students will be skilled in design and have a deep understanding of information and communication technologies and their impact on the individual, society and the environment.. They will also have a sound basis for Stage 6 Design and Technology.

200 hour course plan

	Year 9 Unit 1	Year 9 Unit 2	Year 9 Unit 3	Year 10 Unit 1	Year 10 Unit 2	Year 10 Unit 3
Focus area of design	Graphic design	Digital media	Promotional	Robotics	Student-negotiated	Student-negotiated
Design project	Design a graphic to decorate a personal item or environment.	Design a short promotional video for an identified audience.	Design an interactive multimedia CD-ROM for an identified audience.	Design, build and program a Lego robot to dance. (Competition)	Minor project	Major project
Duration	30 hours	30 hours	40 hours	25 hours	25 hours	50 hours
Syllabus objectives	1, 3, 4, 5, 6	1, 2, 4, 5, 6	1, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6
Outcomes	5.1.1, 5.3.1, 5.3.2, 5.4.1, 5.5.1, 5.6.3	5.1.1, 5.2.1, 5.4.1, 5.5.1, 5.6.1	5.1.1, 5.1.2, 5.3.1, 5.3.2, 5.4.1, 5.5.1, 5.6.1, 5.6.2	5.1.1, 5.1.2, 5.2.1, 5.3.2, 5.4.1, 5.5.1, 5.6.1, 5.6.2, 5.6.3	5.1.1, 5.1.2, 5.2.1, 5.3.2, 5.4.1, 5.5.1, 5.6.1, 5.6.2, 5.6.3	5.1.1, 5.1.2, 5.2.1, 5.3.2, 5.4.1, 5.5.1, 5.6.1, 5.6.2, 5.6.3