



CANBERRA HIGH SCHOOL - Technology Learning overview for Semester 1

Subject: 8 Exploring Technology

During Term 1, students will learn, discover and develop skills in woodwork and design. This term students will learn how to design, cut, shape and finish timber forms. Emphasis will be placed on skill development, safe and appropriate use of tools and equipment and using the design process. Work and communication will occur in class and within your child's Google Classroom page.

Week	Topic	Content/Activity/Tasks
1	Introduction and safety	Introduction to the course, safety expectations, PPE, safety features of the workshop. Safety tests
2	CAD drawing	Keyring project to introduce 'Gravit' and the Laser Cutter
3	Introduce Project & Portfolio - Nightlight	Complete Proposal and research task Create keyrings
3 - 4	Nightlight CAD drawing	Create light design and base with 'Gravit'
6	Soldering	Soldering safety Solder LED and power supply together
7	Finish project and portfolio	Place LED strip into position Sand and apply finish
8	Board game and portfolio	Introduction to design process and project 2- Slider Hockey
9	Design and Project planning	Use project management skills (drawing plans, costing, creating construction plan) for project. Design generation for base and create in 'Gravit.'



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10	Base Design	Finalise base design and engrave using Laser Cutter
11 - 14	Machinery safety Create Game frame	Machinery safety tests and demonstrations Cutting timber to length and shaping for project requirements. Use a variety of hand tools and simple workshop machinery
15	Glue together	Sand components and join project together
16	Apply Finish	Final sand and apply finish Cut out tokens
17-20	Final Project - Cheeseboard	Design and create a simple cheeseboard