

2026 Semester 1 - Year 9/10 Unit Outline

Design Technology - Wood Construction

Teacher(s): Megan Miller, Megan Matthews

Faculty: *Design & Technology*

Unit Duration: Semester 1, 2026

The **Australian Curriculum Achievement Standards** in Design and Technology reflects the distinctive practices of each subject area, and with learning in an increasingly technological and complex world, it is important to develop knowledge and confidence to critically analyse and creatively respond to design challenges. Knowledge, understanding and skills involved in the design, development and use of technologies are influenced by and can play a role in enriching and transforming societies and our natural, managed and constructed environments.

Design and Technologies actively engages students in creating quality designed solutions for identified needs and opportunities across a range of technologies contexts. Students manage projects independently and collaboratively from conception to realisation. They apply design and systems thinking and design processes to investigate ideas, generate and refine ideas, plan, produce and evaluate designed solutions. They develop a sense of pride, satisfaction and enjoyment from their ability to develop innovative designed products, services or environments.

Through the practical application of technologies including digital technologies, students develop dexterity and coordination through experiential activities. Design and Technologies motivates young people and engages them in a range of learning experiences that are transferable to family and home, constructive leisure activities, community contribution and the world of work.

Australian Curriculum Achievement Standard: By the end of Year 10, students explain how people working in design and technologies occupations consider factors that impact on design decisions and the technologies used to produce products, services and environments. They identify the changes necessary to designed solutions to realise preferred futures they have described. When producing designed solutions for identified needs or opportunities, students evaluate the features of technologies and their appropriateness for purpose for one or more of the technologies contexts.

Students create designed solutions for one or more of the technologies contexts based on a critical evaluation of needs or opportunities. They establish detailed criteria for success, including sustainability considerations, and use these to evaluate their ideas and designed solutions and processes. They create and connect design ideas and processes of increasing complexity and justify decisions.

Students communicate and document projects, including marketing for a range of audiences. They independently and collaboratively apply sequenced production and management plans when producing designed solutions, making adjustments to plans when necessary. They select and use appropriate technologies skilfully and safely to produce high-quality designed solutions suitable for the intended purpose.

Unit Description: This semester students will be creating designed solutions that incorporates wood technologies and construction techniques. Students will produce their projects using a range of hand tools, power tools and machinery in the workshop.

Initially students will be learning the meta language of the subject and completing the safety requirements of the course and then proceed to acquiring the skills to competently use the equipment and machinery to produce their projects. The skills acquired will be used to further develop their understanding of wood technologies and techniques and in turn apply them to their project work.

Essential Learning Outcomes developed from the Achievement Standards of the Australian Curriculum:

1. Creates, adapts and refines design ideas, processes and solutions and justifies their decisions against developed design criteria that include sustainability (**V9.DST.10.04**)
2. Communicates design ideas, processes and solutions to a range of audiences, including using digital tools (**V9.DST.10.05**)
3. Independently and collaboratively develops and applies production and project management plans, adjusting processes when necessary (**V9.DST.10.06**)
4. Selects and uses technologies skilfully and safely to produce designed solutions (**V9.DST.10.07**)

Materials and Equipment Required: Students are expected to arrive at every class with a class book/folder to write notes for that subject, a writing instrument and a Chromebook or similar, appropriate electronic device. Students are required to provide the following additional materials and equipment: *Clear Sleeve Folder, Personal Device, Pen & Pencil.*

Absences from Class: Students who miss classes due to absence or excursions must negotiate with the class teacher to catch up missed work.

Use of IT in Class: A Google Classroom has been set up for this class. Students will be required to log into this Google Classroom regularly to access course material. Students must bring their Chromebook to all lessons, however, the use of these devices in class will be at the discretion of the teacher.

Homework: Any homework will be directly related to instruction and course requirements, will be assessed appropriately, and may impact upon student grades. Examples of homework may include; catch up on missed classwork, revision of classwork, study for tests, assignment work, or preparation for a class presentation.

Late Work: Extensions may be negotiated with individual teachers before the due date

Plagiarism: Plagiarism is copying or using another's work and claiming it as your own. This includes copying, cutting and pasting text or using ideas directly from a text, the internet or some other source without appropriate referencing. The use of Generative AI to produce your work, or edit it so that it no longer reflects your work, is a form of plagiarism. If this happens, work may not be graded and students will be asked to discuss the assessment with the classroom teacher and Executive Teacher for that subject. If a teacher suspects a student may have plagiarised their work they may choose to assess the student in an alternative way, such as verbally or under test conditions. Parents may be contacted as part of this process.

Assessment Portfolio: This contains evidence of work from the opportunities the students have been provided to demonstrate elements of the achievement standard.

Portfolio Assessment Tasks for this subject will include:

	Week / Date Due	Essential Learning
1. Workplace Health and Safety workbook & practice	Week 3, 8, 12	4
2. Practical project work term 1.	Week 9	1, 4
3. Practical project work term 2.	Week 18	1, 2
4. Design & workshop drawings.	Week 5, 14	2, 3

A-E Reporting Grade Descriptors These are the grades and grade descriptors for reporting at the end of each Semester.

A	Demonstrating excellent achievement of what is expected (Consistently achieving a proficiency level of 4 or above in each of the Essential Learnings)
B	Demonstrating a high achievement of what is expected (Consistently achieving a proficiency level of between 3 and 4 in each of the Essential Learnings)
C	Demonstrating satisfactory achievement of what is expected (Achieving a proficiency level of 3 across the Essential Learnings)
D	Demonstrating partial achievement of what is expected (Achieving a proficiency of between 1 and 3 across the Essential Learnings)
E	Demonstrating limited achievement of what is expected (Achieving a proficiency of 1 or less in each of the Essential Learnings)

S Status is awarded where unavoidable circumstances have prevented assessment. Must be negotiated with the Principal.

Grade Descriptors and the "C" grade

In ACT public schools the Australian Curriculum Achievement Standard is aligned with a 'C' grade. The 'C' grade indicates that your child has demonstrated a satisfactory level of knowledge, understanding and skill in relation to the Achievement Standard.

Appeals

A student must initiate an appeal for any grade with their subject teacher. If a student is dissatisfied with that initial process, they must pursue further appeal through the Faculty Executive Teacher for that subject.

Executive Teacher

Rebecca Hanrhan