

Year 7 and 8 content descriptors	Lesson 1	Lesson 2	Lesson 3+4	Lesson 5	Lesson 6	Assessment
<b>Design and Technology Knowledge and Understanding</b>						
Investigating how ethics, social values, profitability and sustainability considerations impact on design and technologies	✓					
Considering factors that influence the selection of appropriate materials, components, tools and equipment					✓	
Investigating influences impacting on manufactured products and processes such as historical developments, society and new materials	✓				✓	
Producing prototypes and jigs to test functionality, including the use of rapid prototyping tools such as 3D printers	✓	✓	✓	✓	✓	
Investigating aspects of technologies specialisations, for example in architecture, critiquing the design of an existing building	✓					
Considering the ways in which the characteristics and properties of technologies will impact on designed solutions	✓					
<b>Design and Technologies process and production skills</b>						
Investigating emerging technologies and their potential impact on design decisions	✓	✓	✓	✓	✓	
Selecting appropriate materials to acknowledge sustainability requirements by using life cycle thinking					✓	
Using a variety of critical and creative thinking strategies such as brainstorming, sketching, 3-D modelling and experimenting to generate innovative design ideas		✓	✓	✓		
Investigating emerging technologies and their potential impact on design decisions	✓	✓	✓	✓	✓	
Using: technical terms, scale, symbols, pictorial and aerial views to draw environments			✓	✓		