

2024 Scope & Sequence – Year 9 Industrial Technology - Engineering



Term 1	Week	1	2	3	4	5	6	7	8	9	10	11	
	Topic	Engineering Structures – Tough Tower								Engineering Structures – Cantilever Bridge			
	Content	WHS Ongoing Safety		Engineering Concepts and Principles		Communication - Drawing		Making		Research bridge types and Engineering concepts			
	Assessment	Assessment Task #1 – Practical and Communication – Due Week 8											

Term 2	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Engineering Structures – Cantilever Bridge				Mechanisms – Mechanical Toy						
	Content	Designing and Building Bridge			Testing Bridge	Introduction to Cams Rotary and Reciprocal Motion		Testing/prototyping cam profiles		Designing of Toy		
	Assessment	Assessment Task #2 – Practical and Research Task – Due Week 4										

Term 3	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Mechanisms-Mechanical Toy					Mechanisms -Medieval Madness					
	Content	Designing of Toy	Manufacture of Mechanical Toy				Research Medieval Siege Weapons		Research Simple and Complex Machines		Design Siege Weapon	
	Assessment	Assessment Task #3 – Practical, Research and Communication skills – Due Week 5										

Term 4	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Mechanisms – Medieval Madness										
	Content	Design and Make Siege Weapon				Research Design and Make Alternate Siege Weapon and Anti-siege strategy						
	Assessment	Assessment Task #4 – Practical and Research Task – Due Week 4										