

# 2024 Scope & Sequence – Year 10 Industrial Technology - Engineering



Term 1	Week	1	2	3	4	5	6	7	8	9	10	11	
	Topic	Control Systems - Racks, Pinions and Ratchets								Control Systems - Fluid Power			
	Content	WHS Onguard Safety		Practical Skill Development Drawing Skills		Manufacture of Mechanical Jack Drawing skills		Manufacture of Mechanical Jack Drawing skills		Fluid Power Systems Research Manufacture Fluid Power System			
	Assessment	Assessment Task #1 – Practical and Communication – Due Week 8											

Term 2	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Control Systems - Fluid Power							School Based - Wind Turbine			
	Content	Research Cylinders and Rams Manufacture Fluid Power System			Research Pumps and Compressors Manufacture Fluid Power System				Electrical Components Soldering Practice			
	Assessment	Assessment Task #2 – Practical and Research Task – Due Week 7										

Term 3	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	School Based - Wind Turbine				School Based - Mini Pinball Machine						
	Content	Recognising Electrical Components Manufacture of Wind Turbine				Research Simple Machines Make Levers and Pulleys			Research Complex Machines Manufacture Pinball Machine			
	Assessment	Assessment Task #3 – Practical and Research Task – Due Week 4										

Term 4	Week	1	2	3	4	5	6	7	8	9	10		
	Topic	School Based - Mini Pinball Machine											
	Content	Research Components of a Pinball Machine Manufacture Pinball Machine				Communication Skills For Engineers Manufacture of Pinball Machine							
	Assessment	Assessment Task #4 – Practical, Research and Communication – Due Week 3											