

VCE VM WRS - Manufacturing

	Theme	Pre-Work Activities	Post-Work Activities
1	Introduction and Industry Tour	<p>Research companies ANCA: https://machines.anca.com/ Formero: https://formero.com.au/ Catten: https://catten.com.au/ LaTink: https://latink.com.au/ TASK: Looking at the websites, find an interesting type of material that manufacturing companies use?</p> <ul style="list-style-type: none"> Prepare 3 questions to ask during tours 	<ul style="list-style-type: none"> Complete Module 1 journal reflection Choose one company and identify a challenge they face, how could new tech solve it? What items are manufactured at these companies? What careers are related to the manufacturing industry? Identify 2 workplace risks you saw on industry tours
2	Safe Workplaces and VR	<ul style="list-style-type: none"> Research what PPE is required in Manufacturing Find and bring an example of a safety sign 	<ul style="list-style-type: none"> Complete Module 2 journal reflection Reflect on the AI debate: What do you think the future of tech in manufacturing should be? How can VR assist in training? If VR failed during training, what other tech could replace it? If a machine breaks down, what safety risks could arise and how would you manage them?
3	3D Printing & CAD design	<ul style="list-style-type: none"> Bring a photo or description of an interesting design item you have seen (e.g. earring, ironwork decoration, sign, toy) 	<ul style="list-style-type: none"> Complete Module 3 journal reflection Sketch 3 jewellery (earrings, pendant) design ideas Use TinkerCAD to prototype designs. Create a 1-minute TikTok-style video in groups, explaining '3D printing' using props or drawings.
4	AI in Manufacturing	<ul style="list-style-type: none"> Research ways AI can help you to do work faster and more efficiently 	<ul style="list-style-type: none"> Complete Module 4 journal reflection Question: Which AI tool do you think will have the greatest impact on manufacturing jobs? Argue for or against its adoption. Add in ideas about "What design aesthetics are important to you?" (E.G. textures, colour, material, size, straight lines, curved lines, thickness)

5	Future You – AI and entrepreneurial skills in manufacturing	<ul style="list-style-type: none"> Create a list of skills you have learnt throughout this program 	<ul style="list-style-type: none"> Complete Day 5 journal reflection Finalise design and prototype idea Check off Pitch Prep Checklist Peer feedback on branding ideas Complete journal entry: “What work-related skills did I build during this program?” Which skills from today’s activity would be most valuable in a real manufacturing job? Why?
6	Pitch Presentation	<ul style="list-style-type: none"> Finalise product and have slides ready to pitch Practice pitch, rehearsing voice, body language, and slide timing 	<ul style="list-style-type: none"> Complete Day 6 journal reflection