Lesson Focus		Introduction to MIG (Metal Inert Gas) Welding		Industrial Design and Technology		
Year Lev	el 10	Implementation Date	23/10/24	Lesson durat	ion	70 mins
Students Links to Select ar	s might have a Curriculum (i and justify choi	earners (What do they alrea a basic awareness of metals dentify relevant Strands an ices of materials, component solutions (ACTDEK043)	working but that's	the extent of	it.	
solutions Work fle	s (ACTDEK04 1 xibly to effect	judgments on the ethical a L) tively and safely test, select, signed solutions (ACTDEPOS	, justify, and use a			
1. U 2. I 3. F Learning 1. I 2. J 3. I	Inderstand w dentify and e Recognize and objectives (I Demonstrate Apply correct Perform safet	Declarative - knowledge) hy MIG welding is importar xplain the safety protocols f I describe the components o Procedural – skills) the setup of a MIG welding techniques for welding met ty checks before starting the	for MIG welding. of a MIG welder. station. tal pieces togethe	r.	;. 	
Key Reso		ements (Theory class)				
		n (introduce the topic and e	engage the learne	rs)		
		vill do (your teaching steps)	5 5	,		
10 min	https:// 2. "What of 3. Introdu welding Engage stuc 4. "Wh	short video clip of MIG wel www.youtube.com/watch? do you already know about ce the lesson's objectives: u basics and safety requirem lents with the following que ny do you think welding is a ay?"	estions:	• • •	expe lesso Wha enga Wha prom Wha ask? How	t are your ctations for the n? t is your hook to ge the learners? t are your key npts? t questions will you will you check for erstanding/learning?

Timing 50 min	What you will do (your teaching steps)	
	Set-up 10-15 minutes: Why MIG welding is an important skill 10- 15 minutes: Explain the components of a MIG welder (torch, wire feed, gas cylinder). Demonstrate the setup of a welding station, including safety checks. 10 minutes: Safety overview	 What strategies are you using to teach the content? What are your key prompts? What questions will you ask? How will you check for understanding/learning?
	Strategies:	
	• Visual aids / revision sheet answered = exit ticket	
	Revision score will determine order of who welds first next leson	
	Check for Understanding	
	Observe student participation in the revision sheet and class discussions	
3. Lesso	n Conclusion (concluding activities, review, check for learning)	
Timing	What you will do (your teaching steps)	
10 min	 Check for Understanding: Summarize the key points covered: What is MIG? Components of a MIG welder, Safety Address any questions and review the quiz results with the class to reinforce learning. Wrap-Up: 	 How will you summarise the key learnings? How do you wrap up the lesson? How will you check for understanding/learning?

Lesson Reflection What worked well or was successful? (The What)

What did not work well or could be improved? (*The What*)

Why do I think this occurred? (The So What)

What does this mean for your teaching practice and decision-making next time? (The What Next)