



Year 7 Design & Technology Progress Ladder

Use this document to track how you are improving throughout the year. Look at the statements for each level to see what you can do now and what you need to work on next to reach the next level.

	Technical knowledge				Designing				Making				Evaluating			
Examples of how to achieve in each area:	<ul style="list-style-type: none"> Find out what users need or want before starting your designs. Look at examples of products made by others to get ideas. Explain how materials or tools work and why they are useful. Choose the best techniques to solve design problems. 				<ul style="list-style-type: none"> Come up with different ideas that link to the design brief. Show your ideas using drawings, notes, or models. Improve your designs by testing and changing them. Select materials and explain why they are the best choice for your design. 				<ul style="list-style-type: none"> Use tools and materials safely to make your prototype. Check your work is accurate and fits the design plan. Follow your plan but be ready to solve problems if things go wrong. Work neatly and make sure the prototype looks professional. 				<ul style="list-style-type: none"> Test your product to see if it works as planned. Check your work as you go and make changes to improve it. Ask for feedback and use it to make your product better. Explain what worked well and what you would change next time. 			
Mastering (7.9)	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria
				You can research on your own and explain how it links to the project.				You can come up with many creative design ideas that clearly relate to the design brief.				You can make a final product that is very accurate and has a high-quality finish.				You can evaluate your work independently to identify areas for improvement and make changes.
				You can write a detailed plan on your own which explains why some of your design points are important.				You can use detailed drawings, notes, and models to communicate your ideas.				You can make sure your final product works well and follows the design plan.				You can test most aspects of your work and refine it based on the needs of the user and the design specification.
				You can choose and explain the best methods to solve design problems.				You can improve your designs by testing them and making changes based on feedback.				You can check your work carefully and solve problems as they come up while making it.				You can discuss how you have solved problems throughout your project and explain the changes you made.
				You can explain and justify the properties of materials.				You can justify material choices, explaining how they are the best option for your design.				You can make your product look professional and ensure it is finished to a high standard.				
Mastering (7.7-7.8)	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria
				You can research on your own using many sources.				You can come up with different design ideas based on the brief and explore more complex solutions.				You can work independently with a range of tools and equipment, showing high skill and accuracy.				You can evaluate your work and make improvements to meet the design specification.
				You can suggest suitable methods for solving design problems.				You can use drawings, notes, or simple models to show your ideas clearly.				You can make your final product to a high standard, ensuring it works as intended.				You can test some aspects of your work and refine it based on the needs of the user and the design specification.
				You understand the project, who it is for, and what they need.				You can improve your design by testing it and making necessary changes.				You can check your work as it develops and adapt if needed to improve the result.				You can evaluate how effectively you have worked and identify areas for improvement.
				You can explain the properties of materials and why they are useful.				You understand materials and can explain why they work well for your design.				You can solve problems quickly if your plan doesn't work as expected.				

	Technical knowledge				Designing				Making				Evaluating			
	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria
Secure (7.5-7.6)				You can use different sources to research and look at other people's work.				You have considered the materials carefully and can explain why they are suitable for your design.				You can make a final product that works well and reflects your design ideas.				You can evaluate your work at different stages, identifying what's working well and what needs improvement.
				You can research or analyse other products to see how they work and use this to improve your designs.				You make changes to your designs based on testing and feedback.				You can use tools and equipment independently and demonstrate good skill.				You can make changes to improve your work, though you may need some support to evaluate effectively.
				You can describe some material properties and explain how they could be used.				You can show your ideas through clear drawings, notes, or models.				You can choose the right tools for each task and use them correctly.				
				You can explain how methods you use help solve design problems.				You have considered the materials carefully and can explain why they are suitable.				You can check your work and make adjustments where needed.				
Developing/Secure (7.3-7.4)																
	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria
				You can look at research or examples of other products and use them to get ideas.				You can come up with some design ideas that are connected to the brief.				You can show you understand the importance of being careful when using tools and materials.				You can evaluate your work with some guidance and make simple improvements.
				You understand the project and who it is for.				You can show your ideas using simple drawings or notes.				You can pay attention to detail and accuracy when making your product.				You are beginning to check your work regularly and adjust it as needed.
				You can choose some methods that help with your designs.				You have tested your ideas and made some improvements.				You can make a product that reflects your ideas, and you are improving your skills.				You can identify some good points and areas for improvement in your work.
			You can describe the properties of some materials.				You can explain why materials are suitable for your design.									
Developing (7.1-7.2)																
	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria	1	2	3	Success Criteria
				You know what to research and have started collecting information.				You can think of a few different design ideas that relate to the brief.				You can use tools and equipment with some accuracy and show some attention to detail.				You can make simple changes to improve your work, with help or guidance.
				You can use two sources to help your work.				You can explain your ideas using words or simple drawings.				You can work on improving the look and function of your product to make it better.				You can describe some good parts of your work.
			You can try different ways to solve problems.				You have tried making changes to my designs.									

1	Device Holder Unit
2	Tea Light Unit
3	Drawing Skills Unit

Reflection: WWW – What went well and EBI – Identify areas for improvement, what would you do differently next time?

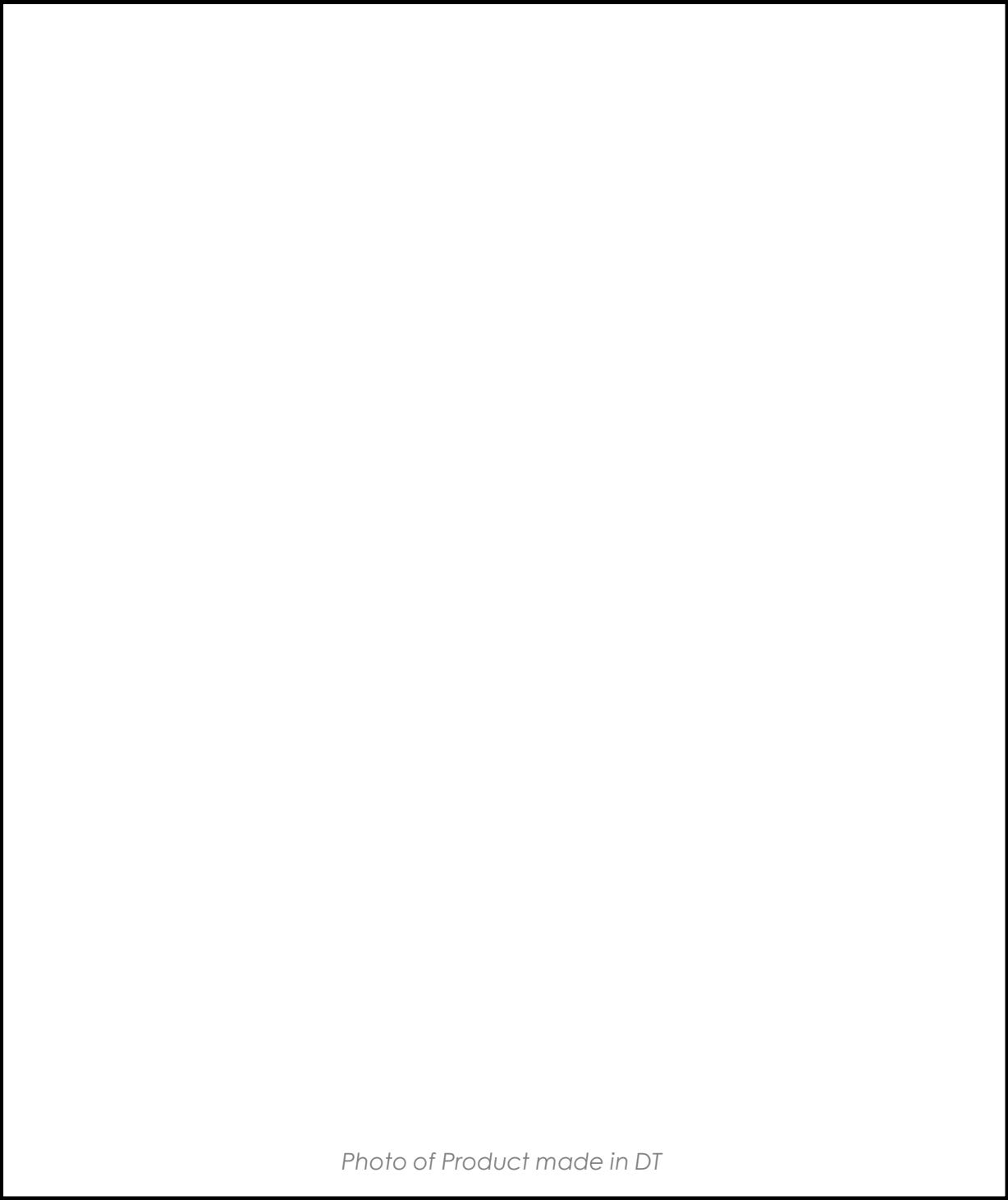


Photo of Product made in DT

Title: _____

WWW: _____

EBI: _____

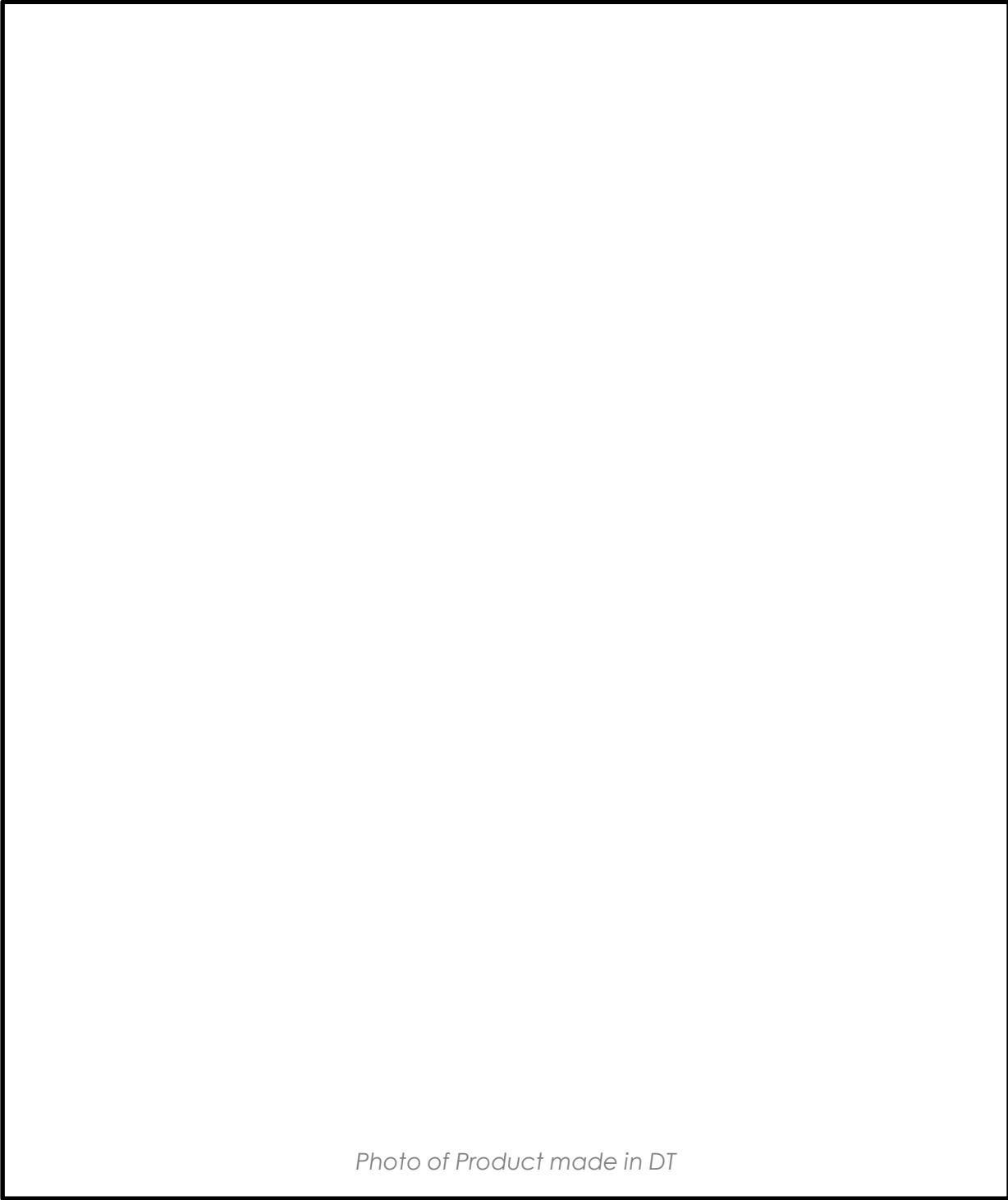


Photo of Product made in DT

Title: _____

WWW: _____

EBI: _____