

Year: 7

Subject: Design & Technology 10 weeks: Photograph holder

Term	Week	Focus	Summary	Learning Outcomes	Parental Support	Indenpendant Learning
1A	1	Plastics- Photo Holder Introduction to project	Introduction to lesson. To identify tools, discuss types of plastic e.g. thermo plastics and thermosetting plastics and their differences and discuss acrylic which will be used in their project. Discuss the limitations and considerations of the project. Discussion about the brief, what is the brief then students will write up the brief followed by the analysis.	To be able to name tools and different type of plastic identified for the project. Students to complete writing brief and analysis	Students to talk to parents about their photo holder design and what they hope to make.	
	2	Plastics- Photo Holder Research and investigation	Design cover sheet Discuss and take ideas from students , research explain what is possible to make Discussion on various types of Photograph holder shapes found on the market and on the internet is first investigated into and then put together on an investigation sheet.	Students will produce a cover sheet for photograph holder and be able to produce various ideas for the project. Students will be able to create different shapes for their photograph holder and develop these ideas.		Students will do Internet research looking at different shapes of photo holders on the market. This will be done independently.

3	Plastics- Photo Holder Drawing of Ideas	Discuss ideas that students have drawn, and then each student has to choose a design that is practical and within their ability to make, draw an enlarged size and then a development/net drawing showing measurements and where shapes etc need to be.	Students will be able to choose what design they will be able to make according to their ability.		
4	Plastics- Photo Holder Produce final solution	Continue design work - colouring etc. Draw final solution. Students must then draw templates (taking sizes from their development drawing) on a given piece of card (300mmx 100mm), transfer onto their given pieces of acrylic.	Students will be able to draw template of their development drawing on card and then transfer to piece of acrylic.		Students will work on their template independently
5	Plastics- Photo Holder Start Project	Explain and make students aware of health and safety in the workshops. Start practical – Name out the different types of tools and demonstrate how to saw, file and sanding techniques. (I DO, WE DO, YOU DO). Also explain how the acrylic should be held in the vice and cutting it to shape.	Students will be able to start making their project after learning about the tools that will be used and sawing and filing technics.		After demonstration how to saw and file their work students will work independently.
6	Plastics- Photo Holder Practical work	Continue practical – Demonstrate the filing techniques when using	Students will be able to improve their work by filing the acrylic edges		Students will work independently after

			different types of files to make different shapes. I DO, WE DO, YOU DO. The acrylic edges to be filed to the shape of their work neatly.			demonstration on the different kinds of files.
	7	Plastics- Photo Holder Practical work	Continue practical - proceed with any of the above tasks if not completed. Once completed students must make sure all surfaces of their projects are smooth and clean.	Students will continue to improve their work.		Students will work independently over the next few weeks to complete project.
	8	Plastics- Photo Holder Practical work	Continue practical - proceed with any of the above tasks if not completed. Check students work and assist them in sanding any rough edges off their work, and then they will continue to sand with wet and dry sandpaper till smooth. (Teacher can give assistance whenever appropriate).	Continue to improve their work for final finish using wet and dry paper.		

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1B	9	Plastics – Photo holder Practical work Assessment	Continue practical - proceed with the sanding till smooth. The projects can now be heated and bent to shape.	To improve finishing touches to their work ready to be bent to shape.		

