

Design Technology Long Term Plan Year 8 2020-21



Temperance Term

W/C	7 September	14 September	21 September	28 September	5 October	12 October	19 October	Half term
Topic	1. Swag Bag: Analysing the Context	2. Swag Bag: Practical Research – Making a fabric pouch	3. Swag Bag: Practical Research – Making a fabric pouch	4. Swag Bag: Evaluating the practical research	5. Swag Bag: Post practical research intervention	6. Swag Bag: Client profiling	7. Swag Bag: Developing one bag pattern	
Min 1 Task & Learning Journey & Plenary	Collect books Workshop safety, rules and responsibilities Analyse the context Possibilities and problems	Parts of fabric Fabric patterns Cutting fabric Setting up the sewing machine Sewing a pouch	Revisit the sewing machine; sewing in a straight line Making a button hole Attaching a button Completing the pouch	Homework presentations Planning how to test the pouch Test the pouch quality Evaluate the pouch Design improvements and/or adaptation	Homework presentations 1. Finish pouch 2. Correct mistakes 3. Develop the pouch	Textile Keywords issued and explained Make paper toiles of 3 bag types Create a client profile Plan Client interview	Textile keywords tested and marked Present client interview questions Analyse client responses Develop paper toile patterns	
Challenge	Analysis is of PEE style Range of analysis techniques used	Able to thread the sewing machine Pouch sewn	Accurate seams Button attached securely	Research is presented and annotated using a range of techniques	Evidence that each of 2-3 have been met	2 bag toiles made with accuracy 10 insightful questions	80%+ for keyword test Analysis is PEE with diagrams	
Assessment & Homework	Safety test	Teacher assessment	Teacher assessment	Student assessment Teacher VF	Student assessment Teacher VF	Rainbow Leaper Research Trinkets	Student assessment	
W/C	2 November	9 November	16 November	23 November	30 November	7 December	CHRISTMAS	
Topic	8. Swag Bag: Preparing fabric for sewing	9. Swag Bag: Sewing the bag 1	10. Swag Bag: Sewing the bag 2	11. Swag Bag: Sewing the bag 3	12. Swag Bag: Introduction to Pewter casting	13. Swag Bag: Pewter casting		
Min 1 Task & Learning Journey	Textile keyword retest and marked Pinning the pattern to the fabric Cutting fabric	Review the sewing machine – different stitches Carousel of sewing machines and hand sewing	Carousel of sewing machines and hand sewing	Independent choice of sewing machines or hand sewing Features added to the bags	Video of casting Demonstration of pewter casting Designing embellishment to Swag Bag Make the pewter mould	Pewter safety poster completed Complete moulds Rota of pewter casting Demonstrate cutting, drilling and finishing a pewter casting		
Challenge	80%+ for keyword test Keywords self-marked	Independent and accurate sewing 50% sewn	Independent and accurate sewing Bag sewn	One adaptation added to the basic bag design	Creative and original pewter embellishment	Casting is made		
Assessment & Homework	Teacher assessment Keyword Spelling	Student assessment Keyword Quiz	Teacher VF Keyword Definitions	Student assessment Why has it never been invented yet	Student assessment Why has it never been invented yet	Teacher VF Responding to Feedback		

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Justice Term

W/C	4 January	11 January	18 January	25 January	1 February	8 February	HALF TERM
Topic	15. Swag Bag: Introduction to sublimation printing	16. Swag Bag: Sublimation embellishment 1	17. Swag Bag: Sublimation embellishment 2	18. Swag Bag: Introduction to the 3d Printer	19. Swag Bag: 3d Printing 1	20. Swag Bag: 3d Printing 2	
Min 1 Task & Learning Journey	Demonstration of the sublimation press Sublimation printing: Image generation Image printing Create own image	Sublimation printing safety Printing the image onto fabric Continuing with the pewter casting	Advanced sublimation techniques and care of fabric image Attaching the image to the swag bag	Demonstration of the 3d printer 3d printing: Image generation Image printing Create own button/artefact	How to set up the 3d printer Begin printing 3d artefacts How to prepare the artefact for attaching to bag	Attaching the 3d printed artefact to the bag Completing the 3d printing Attaching artefact to the bag	
Challenge	Notes are detailed Image has been modified	Precise placement of image onto fabric	Sublimation image has been added to the swag bag with accuracy	3d image has multiple layers with method of attaching to the swag bag	Artefact has been printed and prepared for attachment	3d printed image has been added to the bag with accuracy	
Assessment & Homework	Teacher assessment Keyword Spelling	Student assessment Keyword Quiz	Teacher VF Keyword Definitions	Student assessment Think like a designer	Student assessment Think like a designer	Teacher VF Responding to Feedback	
W/C	22 February	1 March	8 March	15 March	22 March	29 March	EASTER
Topic	21. Swag Bag: Testing and Evaluating	22. Swag Bag: Making improvements	23. LED Torch: Introduction to electronics	24. LED Torch: Making the LED light circuit	25. LED Torch: Introduction to Techsoft 2d Design	26. LED Torch: Introduction to the LaserCutter	
Min 1 Task & Learning Journey	Plan a test for the Swag Bag using the specification Test the bag Evaluate the bag	Plan bag: 1. Corrections 2. Improvements 3. Completion	Components of electricity Electronic components LED circuit modelled	Soldering technique and safety Making the lighting circuit Testing the circuit	Explore the tools of 2d design Setting up the paper size Explaining the essential 2d Design tools Drawing the LED light case	Demonstration of the LaserCutter Setting up the LaserCutter Make the LED light case	
Challenge	Evaluation is insightful and signposts improvements	Evidence that 1-2 have been done	Notes include diagrams and PEE sentences LED circuit works	Quality soldering Circuit works	Accurate drawing of the LED torch case Embellishment added	Able to independently set up the LaserCutter Embellished case made	
Assessment & Homework	Teacher assessment Keyword Spelling	Student assessment Keyword Quiz	Teacher VF Keyword Definitions	Student assessment Think like a designer	Student assessment Think like a designer	Teacher VF Responding to Feedback	

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Courage Term

W/C	19 April	26 April	3 May	10 May	17 May	24 May	Half Term	
Topic	27. Revolting Pop-Ups: Analysing the Context; Revolting Rhymes Rald Dahl	28. Revolting Pop-Ups: Researching the Hinge Pop-up	29. Revolting Pop-Ups: Researching the Pivot Mechanism	30. Revolting Pop-Ups: Researching the Slider mechanism Pop-up	31. Revolting Pop-Ups: Research use of Robert Sabuda Website	27. Revolting Pop-Ups: Analysing the Context; Revolting Rhymes Rald Dahl		
Min 1 Task & Learning Journey	Analyse the context Get into pairs Choose and analyse the Revolting Rhyme Gather research on pop-up books Identify possibilities and problems	FPT of making the hinge mechanism Revisit the analysis of the Revolting Rhymes analysis Adapt the mechanism using the analysis Photograph and evaluate	FPT of making the pivot mechanism Revisit the analysis of the Revolting Rhymes analysis Adapt the mechanism using the analysis Photograph and evaluate	FPT of making the slider mechanism Revisit the analysis of the Revolting Rhymes analysis Adapt the mechanism using the analysis Photograph and evaluate	Explain the website FPT of making 2 Sabuda mechanisms Revisit the analysis of the Revolting Rhymes analysis Adapt one Sabuda mechanism using the analysis Photograph and evaluate	Analyse the context Get into pairs Choose and analyse the Revolting Rhyme Gather research on pop-up books Identify possibilities and problems		
Challenge	Annotation of the Rhyme includes PEE sentences and diagrams	Creative use of the mechanism clearly focusses on the Rhyme	Creative use of the mechanism clearly focusses on the Rhyme	Creative use of the mechanism clearly focusses on the Rhyme	Creative use of the mechanism clearly focusses on the Rhyme	Annotation of the Rhyme includes PEE sentences and diagrams		
Assessment & Homework	Teacher assessment Keyword Spelling	Student assessment Keyword Quiz	Teacher VF Keyword Definitions	Student assessment Think like a designer	Student assessment Think like a designer	Teacher VF Responding to Feedback		
W/C	7 June	14 June	21 June	28 June	5 July	12 July		Summer Holidays
Topic	32. Revolting Pop-Ups: Designing the Book	33. Revolting Pop-Ups: Making the Book pages 1 and 2	34. Revolting Pop-Ups: Making the Book pages 3 and 4	35. Revolting Pop-Ups: Making the Book page 5	36. Revolting Pop-Ups: Testing and Evaluating	37. Revolting Pop-Ups: Making improvements		
Min 1 Task & Learning Journey	Revisit the Context and research gathered Demonstrate storyboard designing Design a 5 page book Annotate the designs	Plan materials needed Plan whom will do what in the pair Make pages 1 and 2 Photograph work and evaluate	Plan materials needed Plan whom will do what in the pair Make pages 3 and 4 Photograph work and evaluate	Plan materials needed Plan whom will do what in the pair Make page 5 Assemble the book	Plan a test for the Pop-up book using the specification Test the book Evaluate the book	Plan book: 1. Corrections 2. Improvements 3. Completion		
Challenge	A range of mechanisms have been used Annotation includes diagrams	Mechanism works smoothly Graphics are presented well	Mechanism works smoothly Graphics are presented well	Book is assembled well and complete with a cover	Evaluation is insightful and signposts improvements	Evidence that 1-2 have been done		
Assessment & Homework	Teacher assessment Keyword Spelling	Student assessment Keyword Quiz	Teacher VF Keyword Definitions	Student assessment Think like a designer	Student assessment Think like a designer	Teacher VF Responding to Feedback		