



SOUTH WILTS GRAMMAR SCHOOL

Year 7 Standards – Design and Technology

Knowledge/skills These must relate to the CURRICULUM How far have students learned the curriculum?	Working towards SWGS Standard for end of Year 7	Working at SWGS Standard for end of Year 7	Working beyond SWGS Standard for end of Year 7
Art Deco Inspired Clock Students should have a thorough grounding on the following: - How designers develop a style. - The difference between renewable and non-renewable materials. - The importance of designing for the environment understand the 6R's. - The names of cutting and shaping Textiles Purse - Recognise the names of several different fibres and distinguish between natural or manmade. - To understand what products are made from felt. - To understand what embellishment means. - To understand the importance of decoration in the sale of products.	- Start using your own research to help generate ideas. - Show consideration of the purpose of the design and the views of the user - Develop your own ideas whilst understanding characteristics of familiar products. - Use words, sketches and models to show your choices with an awareness of constraints. - Present the main stages of making planned as a step by step guide. - You can measure, mark out, and work simple forms in a variety of materials and ingredients with some accuracy. - Consider finish and function, and how well your product works.	- Use various sources of information and consider familiar products. - Show consideration of the purpose of the design and the views of the user and draw on characteristics from familiar products. - Develop your own ideas whilst understanding characteristics of familiar products. - Clarify ideas through discussion, drawing and modelling - Work from own detailed plans, modifying them where appropriate - Use a range of tools, materials, equipment, components, ingredients and processes with some precision. You check progress and can modify your approach. - Test and evaluate the end product to the design specification and constraints	- Use a range of information from different sources and consider the form and function of the products. Your conclusions help you identify design specifications. - Develop your own ideas whilst understanding characteristics of other products and you make drawings and models to explore and test design thinking and consideration of the design specification and end users. - Use drawing and modelling to explore and test ideas. Produce and use plans that outline alternative methods of progressing. - Are able to modify plans by showing alternative ways to proceed (Show how the criteria effect the work). - Demonstrate the ability to use a range of tools, ingredients and processes taking account of their characteristics. You check and modify your work as it progresses. - Evaluate the effectiveness using information sources and test the product considering the design specification you show possible ways to improve your product





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• Understand how the choice of fastenings affect the outcome. • To understand how we evaluate the success of a product Shampoo Box • Why is analysis of an existing product important? • What are the characteristics of Memphis and Pop Art Design styles? • How do designers create effective logo's? • What makes a successful logo? • What are the advantages of CAD/CAM? • Why does packaging enhance a product? • What makes a successful advertisement?			

