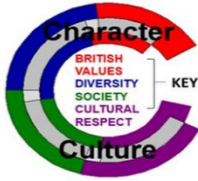


# DESIGN AND TECHNOLOGY

Link - R:

YEAR 7 – Packaging (KS3) = 7/8 Week rotation																		
<b>INTENT:</b> To play a part in developing knowledge and understanding of the Design and Technology National Curriculum. <b>Students are to...</b> learn about packaging, then create their own personalised packaging for a chocolate box.			<b>The bigger picture:</b> This scheme plays an important role within the technology curriculum as it is essentially teaching skills from the National Curriculum and preparing students for the challenges of key stage 4.  <b>The Next Step:</b> This unit is preparation for the Engineering Design Course at Key stage 4. It focusses predominantly on Unit R107 / R039 which is based upon designing ideas using CAD Software.									 <p>* Link to C&amp;C</p>	<p><b>Character &amp; Culture</b> Character and Culture is embedded within the curriculum map and coded as shown.</p> <p><b>Society</b> Design and Technology can lead to many careers in society. An example of this is within the <b>STEM</b> routes.</p>					
Lesson	1		2		3		4		5		6		7		8			
Retrieval Task:	Purpose		Design decisions		Construction 2d to 3d		Improving designs		Nets		Exploration		Evaluation		Overspill			
Objective: I do, we do & you do..:	Introduction: "What is packaging?" Drawing skills, developed from looking at existing packaging and branding designs.		Product analysis: Written analysis of existing packaging		Brand designs: creating individual chocolate brands relevant to target audience.		Typography and logo designs  Assessment		Nets: Introduction to using a net		Designing own nets, exploring different box shapes. Sketching boxes and designing nets		Applying logo and brand name to final packaging product.  Product labelling		Completing final packaging product.  Extension: inner and outer sleeve			
Silent Study:	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E
Assessment:	Baseline Assessment						FAR 1						INPUT GRADES			End of year ASSESSMENT		
Homework:										SPELLING TEST								
Literacy:	2 for 2 and 3 for 3 – Within the unit of work teachers use educational and subject specific key literacy. Key Vocab words and key pictures – Each unit of work has a handout including all key terms, words, tools and materials. (See department mapping of key terms and definitions)																	
Cultural Capital	<b>Understanding Local Industry:</b> Learning about the design and manufacturing processes of local industries, such as engineering in the midlands, provides students with essential knowledge of their regional economic landscape, this understanding helps broadening experiences beyond their daily lives. The project is based upon Cardboard engineering and is a real life project making realistic nets for this industry. The project is authentic and realistic, informing students of legal information and symbols that are shown on products to inform us of our rights.																	
Connected Knowledge	This is a unit designed to... prepare students for the future of design and technology at Bilton School as having accurate practical skills is a priority and plays a big part of the future curriculum. Following this it supports the journey into KS4 and 6th form Art and Design. Across the school this supports the Art, ICT and Business departments as these skills are transferable and are beneficial in their curriculum plans. Beyond school, with an understanding and love of packaging, it can be a perfect steppingstone to further education, apprenticeships and university as there are many specific courses in this field. In 2023, packaging and marketing play a large role in society.																	
IMPACT	Students measure progress using the department F.A.R tracking sheets which are in the Assessment Booklets, Teachers track the marks given using the department shared mark book and SIMS. This will show progress over time and prepare students for future learning at Bilton School.																	
<p><b>CROSS CURRICULAR LINKS:</b></p> <ul style="list-style-type: none"> <li>Art: Within this unit students will develop their 3D drawing skills and making skills which will benefit the art curriculum.</li> <li>ICT: This unit will give students an understanding of how you can design in 3D using CAD/CAM</li> </ul> <p><b>LESSON STRUCTURE:</b></p> <ul style="list-style-type: none"> <li>•ALL lessons will use the whole school strategy I DO, WE DO, YOU DO</li> <li>•ALL lessons will have a retrieval task that engages learners immediately after arrival. In practical settings this may not use a PowerPoint.</li> <li>•All lessons will have a period of SILENT STUDY. All lessons will have Learning objectives visible.</li> </ul> <p><b>WHAT SKILLS WILL BE DEVELOPED:</b></p> <ul style="list-style-type: none"> <li>•Students are to... learn about packaging, then create their own personalised packaging for a chocolate box.</li> </ul> <p><b>WHY WE ARE LEARNING THIS:</b></p> <ul style="list-style-type: none"> <li>•To develop knowledge and understanding into packaging</li> <li>•To create their own unique packaging for a chocolate box.</li> </ul> <p><b>HOW TO BECOME AN EXPERT IN THIS TOPIC:</b></p> <ul style="list-style-type: none"> <li>• Read this book from Amazon - 100 types of packaging! Learn to make 2D and 3D Models by Practicing with these 100 Exercises! Kindle Edition</li> </ul>																		