

Year 9 Learning Journey 2023-2024

<i>Wk</i>	<i>Date</i>	<i>Design</i>	<i>Make</i>	<i>Knowledge</i>	<i>Evaluate</i>	<i>Assessment</i>	<i>Project</i>
1	04.09.23	Introduction to the Lego person project					Lego Person
2	11.09.23	Create a range of ideas/characters. How can we use a theme to appeal to a specific target market?					Lego Person
3	18.09.23	Measure, mark and cut the body of the Lego person. Manufacturers need to use tools and equipment to ensure accuracy. Jigs are also used to speed up processes.					Lego Person
4	25.09.23	Lego person – Head. The use of laser cutters can help us ensure accuracy. It is also important to minimise the amount of waste from materials.					Lego Person
5	02.10.23	Lego person – Legs. Following working drawings will ensure that all parts are accurate and the same.				Accuracy of practical tasks.	Lego Person
6	09.10.23	Lego person – Legs. Adhesives are used to fix materials together. PVA is best for fixing wood to another wood.					Lego Person
7	16.10.23	Lego person – Arms. Shaping and removing wood can be achieved by using various methods.					Lego Person
Half-term							
8	30.10.23	Lego Person - Assembly					Lego Person
9	06.11.23	Evaluation of Project. Assessing the final outcome of a prototype is important. This is where we can identify problems and understand how we can improve next time.					Lego Person
10	13.11.23	Polymers - origins, processing and types of polymers					Picture Frame
11	20.11.23	Bending & Shaping Polymers - There are various manufacturing techniques when working with polymers.				Polymers knowledge test.	Picture Frame
12	27.11.23	Lighting - Task Analysis - Designers can influence our own ideas.				Data Drop	Wooden Box
13	04.12.23	Questionnaire – Product analysis. Research is important to help designers understand trends, influences and cultures.					Wooden Box
14	11.12.23	Mark out lengths. Cut joints. Joints are used to make a product stronger and improve its aesthetics.				Primary Research	Wooden Box
Christmas							
15	02.01.24	Assemble and Finish. Following a structured sequence of processes help achieve a quality outcome.					Wooden Box
16	08.01.24	Introduction to smart materials. Smart materials have properties which change reversibly					Smart Materials
17	15.01.24	Design and make Cyanotype image for the top of the box. UV rays can be used to create amazing images.					Smart Materials
18	22.01.24	Electronics applies the principles of physics to design, create, and operate devices.					Electronics Light
19	29.01.24	Mark out & assemble. Every circuit has an input, process and an output component.					Electronics Light
20	05.02.24	Solder and final assembly	Evaluate final outcome.		Final Product Evaluation		Electronics Light
Half-term							
21	19.02.24	Analyse context/user identification/impact on society. It is important to consider the wants & needs of your client and consumer.					Camper Van

22	26.02.24	Write design brief and adjust/add to specification. A brief help understand what the product is for and what it needs to do.	Brief & Specification	Camper Van
23	04.03.24	Mark and measure frame for camper van cut joints and assemble. Developing workshop skills to create a product.		Camper Van
24	11.03.24	Research a designer – Generate design ideas. How can the work of other designers influence your own?		Camper Van
25	18.03.24	Develop design ideas. 2D campervan net. Develop your CAD skills to improve the aesthetics of your product.	Data Drop	Camper Van
26	27.03.24	Continue with development using CAD.		Camper Van
Easter				
27	17.04.24	EOYE Prep		
28	24.04.24	EOYE Prep		
29	02.05.24	EOYE Prep/ EOYE's	EOYE	Exams
30	08.05.24	EOYE	EOYE	Exams
31	15.05.24	EOYE RAP - addressing misconceptions		Exams
32	22.05.24	Cut out nets - Computer aided manufacturing is used to create products at speed, to ensure quality and within tolerance.		Camper Van
Half-term				
33	05.06.24	Evaluation of the campervan.		
34	12.06.24	Project introduction - sustainability is important to designers. We need to ensure that products do not impact the world we live in.		Bird Feeder
35	19.06.24	the 6 R's are a great way to make us aware of how we can affect the environment and help us identify creative ways to minimise our Carbon output.	6 R's research analysis	Bird Feeder
36	23.06.24	Bird feeders are a great way to entice wildlife into our gardens. However, the amount of materials wasted each year is getting bigger.		Bird Feeder
37	03.07.24	Create a bird feeder out of recycled materials. Bring some from home.	Data Drop	Bird Feeder
38	10.07.24	Test and evaluate Bird feeders. Can we make it more sustainable?		Bird Feeder
39	17.07.24	Activities Week		

Year 9 Assessment Progress Tracker 2023-24

Name:			Key Constructs:	
Subject Target		EOYE	AO1	Design
	Flightpath	BFL	AO2	Make
Autumn			AO3	Evaluate
Spring			AO4	Knowledge
Summer				

<i>Date</i>	<i>Assessment</i>	<i>Grade</i>	<i>B4L</i>	<i>Date</i>	<i>Assessment</i>	<i>Grade</i>	<i>B4L</i>
02.10.23	Accuracy of practical tasks.			18.03.24	Final Product Evaluation		
11.12.23	Polymers knowledge test.			02.05.24	Brief & Specification		
22.01.24	Primary Research			17.07.24	6 R's research analysis		
					EOYE		