Badger Hill PRIMARY SCHOOL

DT Progression of skills 2023-24

Evaluate	EYFS	Year One	Year Two	Year Three	Year Four	Year Five	Year Six
Structure	Giving a verbal evaluation of their own and others' junk models with adult support. Checking to see if their model matches their plan. Considering what they would do differently if they were to do it again. Describing their favourite and least favourite part of their model. Making predictions about, and evaluating different materials to see if they are waterproof. Making predictions about, and evaluating existing boats to see which floats best. Testing their design and reflecting on what could have been done differently. Investigating the how the shapes and structure of a boat affect the way it moves.	Evaluating a windmill according to the design criteria, testing whether the structure is strong and stable and altering it if it isn't Suggest points for improvements	Exploring the features of structures. Comparing the stability of different shapes. Testing the strength of own structures. Identifying the weakest part of a structure. Evaluating the strength, stiffness and stability of own structure.	Evaluating own work and the work of others based on the aesthetic of the finished product and in comparison to the original design. Suggesting points for modification of the individual designs.	Evaluating structures made by the class. Describing what characteristics of a design and construction made it the most effective. Considering effective and ineffective designs.		Evaluating structures made by the class. Describing what characteristics of a design and construction made it the most effective. Considering effective and ineffective designs.
Mechanical Systems			Evaluating different designs.		Evaluating the speed of a final product based on: the effect of shape on speed and the accuracy	Evaluating the work of others and receiving feedback on own work.	

			Testing and adapting a design. Evaluating own designs against design criteria. Using peer feedback to modify a final design.		of workmanship on performance.	Suggesting points for improvement.	
Cooking and Nutrition		Tasting and evaluating different food combinations. Describing appearance, smell and taste. Suggesting information to be included on packaging.		Establishing and using design criteria to help test and review dishes. Describing the benefits of seasonal fruits and vegetables and the impact on the environment. Suggesting points for improvement when making a seasonal tart.		Identifying the nutritional differences between different products and recipes. Identifying and describing healthy benefits of food groups.	
Digital World				Analysing and evaluating an existing product Identifying the key features of a pouch			Explaining how my program fits the design criteria and how it would be useful as part of a navigation tool Developing an awareness of sustainable design Identifying key industries that utilise 3D CAD modelling and explain why Describing how the product concept fits the client's request and how it will benefit the customers Explaining the key functions in my program, including any additions

							Explaining how my program fits the design criteria and how it would be useful as part of a navigation tool Explaining the key functions and features of my navigation tool to the client as part of a product concept pitch Demonstrating a functional program as part of a product concept
Electrical Systems					Evaluating electrical products. Testing and evaluating the success of a final product.	Carry out a product analysis to look at the purpose of a product along with its strengths and weaknesses. Determining which parts of a product affect its function and which parts affect its form. Analysing whether changes in configuration positively or negatively affect an existing product. Peer evaluating a set of instructions to build a product.	
Textiles	Reflecting on a finished product and comparing to their design.	Reflecting on a finished product, explaining likes and dislikes.					Reflecting on their work continually throughout the design, make and evaluate process.