



Keys Stage 1 - 4 main aspects: mechanisms, textiles, food technology, structures.

Key stage 2 - 5 main aspects: mechanisms, textiles, food technology, structures, and electrical systems

<b>Class 2 &amp; 3 (GE) / Class 1 (R)</b>			
Cycle 1 2022/23	Year1/2 Project on a Page – <b>Mechanisms</b> Sliders and levers Investigate levers, sliders and use them to make a moving rocket picture. (R)	Year1/2 Project on a Page- <b>Textiles</b> Templates and joining techniques Year1/2 Project on a Page- <b>Food</b> Preparing fruit and vegetables Design a healthy lunch and a bag to carry it in	Year1/2 Project on a Page – <b>Structures</b> – freestanding structures Design, make & evaluate a piece of play equipment.
Cycle 2 2023/24	Year1/2 Project on a Page – <b>Structures</b> – Design, make and test a flying machine. Design, make and evaluate a range of existing products. Evaluate their own ideas and products against design criteria.	Year1/2 Project on a Page – <b>Mechanisms</b> Wheels and axles	Year1/2 Project on a Page- <b>Food</b> Preparing fruit and vegetables - vegetable kebabs/ fruit salad
Cycle 3 2024/25	Year1/2 Project on a Page – <b>Mechanisms</b> Wheels and axles	Year1/2 Project on a Page – <b>Mechanisms</b> Sliders and levers Investigate levers, sliders and use them to make a moving animal poster about survival. . (R)	Year1/2 Project on a Page- <b>Textiles</b> Templates and joining techniques  Puppets

If possible try and include some FOOD through your PSHE/Science units in cycle 3



	<b>Class 4 (GE)</b> (Electricity covered in class5)		
Cycle 1 2022/23	Year3/4 Project on a Page – <b>Mechanisms</b> Linkages and levers	Year3/4 Project on a Page - <b>Food</b> - healthy and varied diet	Year3/4 Project on a Page – <b>textiles</b> 2D shape to 3D project
Cycle 2 2023/24	Year3/4 Project on a Page – <b>Mechanical systems</b> Pneumatics	Year3/4 Project on a Page – <b>Structures</b> - shell structures	Year3/4 Project on a Page - <b>Food</b> - healthy and varied diet
Cycle 3 2024/25	Year3/4 Project on a Page - <b>Food</b> - healthy and varied diet	Year3/4 Project on a Page – <b>Structures</b> - shell structures CAD (Computer aided design)	Year3/4 Project on a Page – <b>textiles</b> 2D shape to 3D project



	Class 2 (R)		
Cycle 1 2022/23	Year3/4 Project on a Page – <b>Mechanisms</b> Linkages and levers	Year3/4 Project on a Page - <b>Food</b> - healthy and varied diet	Year3/4 Project on a Page – <b>textiles</b> 2D shape to 3D project
Cycle 2 2023/24	Year3/4 Project on a Page – <b>Mechanical systems</b> Pneumatics	Year3/4 Project on a Page - <b>Electrical systems</b> simple circuits and switches/simple programming and control	Year3/4 Project on a Page – <b>Structures</b> - shell structures
Cycle 3 2024/25	Year3/4 Project on a Page - <b>Food</b> - healthy and varied diet	Year3/4 Project on a Page – <b>Structures</b> - shell structures CAD (Computer aided design)	Year3/4 Project on a Page – <b>textiles</b> 2D shape to 3D project



	<b>Class 5 (GE)</b>		
Cycle 1 2022/23	Year3/4 Project on a Page - <b>Electrical systems</b> simple circuits and switches/simple programming and control Year 5/6 Project on a Page - <b>Electrical systems</b> Monitoring and control/ More complex switches	Year 5/6 Project on a Page - <b>Mechanical systems</b> Pulleys and Gears ---Gears	Year 5/6 Project on a Page <b>Food</b> - Celebrating Cultures and seasonality
Cycle 2 2023/24	Year3/4 Project on a Page - <b>Electrical systems</b> simple circuits and switches/simple programming and control Year 5/6 Project on a Page - <b>Electrical systems</b> Monitoring and control/ More complex switches	Year 5/6 Project on a Page - <b>Mechanical systems</b> Pulleys and Gears ---Pulleys	Year 5/6 Project on a Page <b>Food</b> - Celebrating Cultures and seasonality
Cycle 3 2024/25	Year3/4 Project on a Page - <b>Electrical systems</b> simple circuits and switches/simple programming and control Year 5/6 Project on a Page - <b>Electrical systems</b> Monitoring and control/ More complex switches	Year 5/6 Project on a Page - <b>Structures</b> Frame Structures (Egg Protection)	Year 5/6 Project on a Page <b>Food</b> - Celebrating Cultures and seasonality

Add on where you can fit it in: Year 5/6 Project on a Page - **Mechanical systems** - Cams



	<b>Class 3 (R)</b>		
Cycle 1 2022/23	Year 5/6 Project on a Page - <b>Textiles</b> - Combining different fabric shapes Year 5/6 Project on a Page - <b>Textiles</b> - using computer aided design(CAD) in textiles	Year 5/6 Project on a Page <b>Food</b> - Celebrating Cultures and seasonality	Year 5/6 Project on a Page - <b>Electrical systems</b> Monitoring and control/  More complex switches Goblin Cars
Cycle 2 2023/24	Year 5/6 Project on a Page - <b>Mechanical systems</b> - Cams	Year 5/6 Project on a Page - <b>Structures</b> Frame Structures - Goblin cars	Year 5/6 Project on a Page - <b>Electrical systems</b> Monitoring and control/  More complex switches Goblin Cars

ADDITIONAL UNIT TO LINK TO SCIENCE - Year 5/6 Project on a Page - **Mechanical systems** Cams



	<b>Class 6 (GE)</b>		
Cycle 1 2022/23	Year 5/6 Project on a Page - <b>Textiles</b> - Combining different fabric shapes	Year 5/6 Project on a Page - <b>Textiles</b> - using computer aided design(CAD) in textiles	Year 5/6 Project on a Page - <b>Electrical systems</b> Monitoring and control Goblin Cars
Cycle 2 2023/24	Year 5/6 Project on a Page - <b>Textiles</b> - Combining different fabric shapes	Year 5/6 Project on a Page - <b>Textiles</b> - using computer aided design(CAD) in textiles	Year 5/6 Project on a Page - <b>Electrical system</b> More complex switches Goblin Cars
Cycle 3 2024/25	Year 5/6 Project on a Page - <b>Textiles</b> - Combining different fabric shapes	Year 5/6 Project on a Page - <b>Textiles</b> - using computer aided design(CAD) in textiles	Year 5/6 Project on a Page - <b>Structures</b> Frame Structures - Goblin cars

Year 5/6 Project on a Page **Food** - Celebrating Cultures and seasonality: to add on where you can in the summer term (To make sure year 6 have cover the food objectives if not covered in Class 5)