

2024 Scope & Sequence – 8 Technology Mandatory



Rotation 1	Week	1	2	3	4		5	6	7	8	9	10
	Topic	Digital Technologies – 25 hours										
	Content	Practical experiences – Students design and develop spreadsheet/data base to automatically calculate results from Mario Cart races and Students also learn about designing and building websites.										
	Assessment	Design spreadsheet/data base and Game website design										

Rotation 2	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Engineered Systems - 25 hours										
	Content	Safety & Workshop Introduction	Students explore how force, motion and energy are used to design and produce a lolly machine. Practical experiences – Measuring, cutting, drilling, nailing, laser cutting.									
	Assessment	Lolly Machine with a Design and Production Folio										

Rotation 3	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Agriculture and Food Technologies – 25 hours										
	Content	Safety & Workshop Introduction	Students learn about nutrition, and sustainable agriculture. They develop skills to make informed choices when preparing nutritious foods. Practical experiences – Practical food preparation: measuring, knife skills, precision cuts, mixing, baking, frying, plating, storing.									
	Assessment	Healthy Lunchbox and Research Task										

Rotation 4	Week	1	2	3	4	5	6	7	8	9	10	
	Topic	Material Technologies – Metals – 25 hours										
	Content	Safety & Workshop Introduction	Students learn to work with bar and sheet metal and its various characteristics developing manufacturing skills to construct both a plant holder and a tool box. Practical experiences – Sketching, scaled drawing, measuring, marking, cutting, joining, drilling, filing, bending and finishing.									
	Assessment	Tool box and Production Folio										