

2024 Scope & Sequence – 7 Technology Mandatory



Rotation 1	Week	1	2	3	4	5	6	7	8	9	10
	Topic	Digital Technologies – 25 hours									
	Content	Safety & Workshop Introduction	Students develop microbit projects including a target practice game and a skill tester They document their skill-development tasks in a design and production folio including researching communication systems. Practical experiences – Develop algorithms to design and program arcade games by utilising a basic programming language								
	Assessment	Microbit Project with a Design and Production Folio									

Rotation 2	Week	1	2	3	4	5	6	7	8	9	10
	Topic	Material Technologies – Textiles - 25 hours									
	Content	Safety & Workshop Introduction	Students work with fabrics to develop manufacturing skills in the construction of wearable accessory (apron). Students experiment with a variety of innovative decorative techniques. Practical experiences – Measuring, hand and machine sewing, dyeing, applique, laser etching								
	Assessment	Designer Apron and Research Task									

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 are introduced to the paddock to plate concept. They investigate nutrition and how recipes can be modified to produce a more nutritious food product. They design and produce a healthy muffin. Practical experiences – Food preparation experiences: measuring, knife skills, precision cuts, mixing, baking, frying, plating, storing.								
	Assessment	Healthy Muffin with a Design and Production Folio									

Rotation 4	Week	1	2	3	4	5	6	7	8	9	10
	Topic	Material Technologies – Timber – 25 hours									
	Content	Safety & Workshop Introduction	Students design and construct a chopping board to be used in the kitchen with a personalized laser-etched design Practical experiences – Sketching, measuring, marking out, cutting, sanding, joining, finishing, laser cutting								
	Assessment	Chopping Board and Research Task									