



### Topic: E-Textiles

	Design & Technology	Progress		
Topic	Key ideas	R	A	G
<b>Construction and joining techniques.</b>	I can identify and investigate new and emerging technologies			
	I understand developments in design and technology, its impact on individuals, society and the environment, and the responsibilities of designers, engineers			
	I understand how electronic systems can be used in a range of products [for ex-			
	I can use a range of materials and components to produce a working electronic circuit			
	I can identify and solve problems within my work			

Lesson	Learning Focus	Assessment	Key Words
1	Identifying the use of new technologies within everyday textiles products. Analysing use of new technologies and their impact on others.	Q&A	Textiles, Electronics, E-Textiles, Circuit, Wearable technology.
2	Introduction to basic textiles equipment and skills– hand embroidery.	Practical/peer assessment	Embroidery, Stitch, Needle, Thread, Knot, precision
3	How to create an electronic circuit using soft textiles.	Q&A, informal questioning, self and peer assessment	Embroidery, Straight stitch, Thread, Electronic, Circuit, Positive, Negative, LED, Cell, Cell holder
4	How to test and problem solve an electronic circuit. (E-Textiles circuit)	Practical	Embroidery, Straight stitch, Thread, Electronic, Circuit, Positive, Negative, LED, Cell, Cell holder
5	Assessment/Personal Evaluation and reflection of skills.	Written assessment. Self assessment.	
6	Deep marking and feedback.	Marking grid/reflection.	