

The STEM (Textiles) curriculum

STEM (Textiles) curriculum vision

Science, technology, engineering and maths are the building blocks of the future. The most successful companies in the world are built on them, and our students benefit from STEM inventions every day. At Barr's Hill we equip our students with the fundamental skills they will need for a forward-looking career.

The curriculum for STEM Textiles begins with an introduction to product design to encourage the mixing of different D&T elements. The 'electronic textiles project' is ideal for producing a realistic design and making a product suitable for retail. Year 7 will undertake a unique smart circuit project which includes the use of LEDs, conductive thread and switches.

Key stage 3 – Units of study

<i>Term</i>	<i>Year 7</i>
<i>Rotation</i> <i>1</i>	<i>Curious Creatures</i> <i>Designing a soft toy product which includes a circuit that lights up one flashing LED in its design.</i>