



KEVI CAMP HILL SCHOOL FOR GIRLS



Technology (STEAM & Graphics) CURRICULUM MAP (YEAR 8)

AUTUMN TERM		SPRING TERM		SUMMER TERM
<p>STEAM</p> <p>Nanotechnology - Students learn about nanotechnology and design their own product that uses nanotechnology to make it possible, or enhance it.</p> <p>3D design - Students learn how to design objects in 3D using Tinkercad and design and make a Christmas-themed ornament/decoration.</p> <p>Lego Spike Prime - Students learn about control systems through the Lego Spike Prime app and programme a Lego Spike Prime robot to carry out specified tasks.</p>	<p>Food</p> <p>Multicultural/Ethnic food.</p> <p>Design for Health/Catering For Needs</p> <p>The appliance of Science.</p>	<p>Food</p> <p>Multicultural/Ethnic food.</p> <p>Design for Health/Catering For Needs</p> <p>The appliance of Science.</p>	<p>STEAM</p> <p>Nanotechnology - Students learn about nanotechnology and design their own product that uses nanotechnology to make it possible, or enhance it.</p> <p>3D design - Students learn how to design objects in 3D using Tinkercad and design and make an Easter/Spring-themed ornament/decoration.</p> <p>Lego Spike Prime - Students learn about control systems through the Lego Spike Prime app and programme a Lego Spike Prime robot to carry out specified tasks.</p>	<p>STEAM</p> <p>Paper planes - Students use research and engineering skills to design and make the 'best' paper aeroplane.</p> <p>Space tourism - Students consider the concept of space tourism and produce a poster either advertising space tourism or a propaganda poster against space tourism.</p> <p>Project moon - Students consider what it would be like to live on the moon, research and design a moon base. They also learn about different types of satellite and build their own satellite using recycled materials.</p>
<p><u>Graphics</u></p> <p>Skyline Tourism themed T-shirt project - research, design, problem solving and creating Research into What is Graphic Design, linked to Product, Place and Point of Sale Advertisement. Focus on 2 artists - a watercolour/architectural artist and an oil painter. Creating preliminary artwork elements by hand working to set parameters.</p>		<p><u>Graphics</u></p> <p>[Continued] Skyline Tourism themed T-shirt project - research, design, problem solving and creating. Design development and creation of a draft design. Digitizing hand created artwork using Adobe Illustrator trace tools and clipping masks.</p>		<p><u>Graphics</u></p> <p>[Continued] Skyline Tourism themed T-shirt project - research, design, problem solving and creating. Continued hand creation of design elements alongside use of Adobe Illustrator and Photoshop to bring together a final digital composition that is then printed on a T-shirt. Understanding printing processes and new digital design tools.</p>