

Rokeby Remote working for students

Week 7 beginning 04/05/2020

Subject: Computing

<p>Year group</p>	<p>KS3: Project guideline and resources are on SMHW. (Zoom sessions)</p> <p>KS4: Unit 2.2 (Zoom with Google classroom lesson) & Transition from GCSE to A Level</p>
<p>7</p>	<p>Topic: Online safety: Digital well-being (3 Weeks project) Project: The Impact of Computers on our Lives The BIG question: "Computers haven't always been around, especially in the format we commonly see these days. What drove their development, how were they developed and what does the future hold in store? Have they improved our lives or have they made it worse?" https://www.livescience.com/20718-computer-history.html https://www.livescience.com/20718-computer-history.html https://www.enotes.com/homework-help/effects-computers-society-103945</p>
<p>8</p>	<p>Topic: Online safety: Online grooming (3 Weeks project) Project: Augmented/Virtual Reality The BIG question: ""Some people think that, in the future, we will be able to work, rest and play in a 'virtual' world. Some people think that the virtual world is an escape from the real one. What do you think the future holds for our lives in a virtual world?" https://www.zappar.com/augmented-reality/ https://www.theguardian.com/technology/augmented-reality https://www.tomsguide.com/uk/round-up/best-ar-apps</p>
<p>9</p>	<p>Topic: Online safety: Online reputation (3 Weeks project) Project: Robotics The BIG question: "The term 'Robot' was first used in a play in 1920 by Karel Čapek called "Rossums Universal Robots". It comes from an old Slovak word "robota" meaning "forced labour" or "slave". Nowadays, the term is used to describe any machine which is able to carry out a series of tasks automatically with little or no human intervention." https://www.sciencefriday.com/segments/the-origin-of-the-word-robot/ https://spectra.mhi.com/how-robots-will-change-the-world https://www.robots.com/applications</p>
<p>10</p>	<p>Topic: Programming Techniques (3 lessons)</p> <ul style="list-style-type: none"> • Be able to explain various programming techniques + NEA intro • Understand the importance of database and SQL <p>https://erevision.uk/auth https://www.bbc.co.uk/bitesize/guides/zb3yb82/revision/7</p>
<p>11</p>	<p>GCSE to A Level transition (Part 2) The transition from working at a GCSE standard to an A-Level is significant, including computational thinking, Boolean logic and problem solving and suggestions for resources.</p> <p>Check SMHW</p>