Chemistry: Let There Be Light       (must be studying A-Level Chemistry)         Investigate a photo-catalytic reaction and see how light and an inorganic catalyst can be used to purify water.       Follow the reaction by spectrophotometry.         Chemistry: Creation in Chemistry       (must be studying A-Level Chemistry)         Learn techniques of synthetic organic chemistry in a state-of-the-art lab. Prepare a sample of a local anesthetic. Use IR spectroscopy, thin layer chromatography & melling point determination.         Computer Science: Artificially Intelligent Lego       (must be studying any STEM A-Level)         Come and experiment with Artificial Intelligence in action. Hear about state-of-the-art applications and the challenges in building these. Learn about issues with, and techniques for, programming robots to give them autonomy. Through our Lego robots we will give you an insight into some issues that are of core concern for Artificial Intelligence.         Electrical Engineering and Electronics: How to       (must be studying A-Level Maths)         Communicate During a Zombie Apocalypse       (must be studying any STEM A-Level)         Learn the basics of radio communication for when you might need it the most. During this workshop you will be modulating, transmitting, receiving and demodulating speech and other signals that may give you the tips         Solving a murder mystery using forensic environmental sciences - and finding out what else we can discover by using the scanning electron microscope (SEM).         Environmental Sciences - Geography: Inside an (must be studying A-Level Maths)         Compute against other student			
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