WE ARE AWESOME TOY MAKERS	
ноок:	OUTCOMES:
Electricity	 Identify basic parts of a circuit, bulbs buzzers, cell/battery etc. Identify some common conductors and insulators and make associations between metals and being good conductors generally.
Eddison & Tesla We are toy designers –	 Plan experiments using bulbs to answer a testable question. Study Eddison and Tesla and their legacy. Design and make an on-screen prototype of a computer-controlled toy.
Prototyping an interactive toy	 Understand different forms of input and output (such as sensors, switches, motors, lights and speakers). Design, write and debug the control and monitoring program for their toy.
Electrical systems: simple circuits and switches.	 Select from and use tools and equipment to cut, shape, join and finish with some accuracy. Select from and use materials and components, including construction materials and electrical components according to their functional properties and aesthetic qualities. Understand and use electrical systems in their products, such as series circuits
Where do we get power from?	 incorporating switches, bulbs and buzzers. Apply their understanding of computing to program and control their products. Look at power generation and the distribution of natural resources in the U.K. and the world look at the use of renewables vs non renewables as energy sources Is nuclear power the future? Pupils to express their opinion on the question Look into sustainability of power generation and resource use.