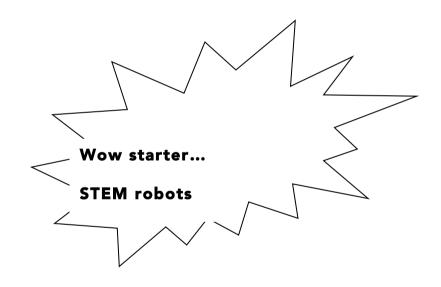
Year: 6 Term: 5

Topic Name: Sparks and shocks

Subject / Topic Focus: Science / electricity



Grand finale... set up a challenge for the parents to build circuits.

A visitor from ... STEM

Everyone Can Curriculum Coverage		
Subject	Topic	Coverage
Science	Electrical circuits	Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. Use recognised symbols when representing a simple circuit in a diagram. Skills: Plan enquiries, including recognising and controlling variables where necessary. Use appropriate techniques, apparatus, and materials during fieldwork and laboratory work. Take measurements, using a range of scientific equipment, with increasing accuracy and precision. Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, bar and line graphs, and models. Report findings from enquiries, including oral and written explanations of results, explanations involving causal relationships, and conclusions. Present findings in written form, displays and other presentations. Use test results to make predictions to set up further comparative and fair tests. Use simple models to describe scientific ideas, identifying scientific evidence that has been used to support or refute ideas or arguments.
		Rule of law Individual liberty

Design		Create circuits using electronics kits that employ a number of components
Technology		(such as LEDs, resistors, transistors and chips).
		Convert rotary motion to linear using cams.
		• Use innovative combinations of electronics (or computing) and mechanics in product designs.
		• Design with the user in mind, motivated by the service a product will offer (rather than simply for profit).
		 Make products through stages of prototypes, making continual refinements. Ensure products have a high quality finish, using art skills where appropriate.
		• Use prototypes, cross-sectional diagrams and computer aided designs to
		represent designs.
		Democracy
		Rule of law
		Individual liberty
Music	Charanga	Charanga
		Mutual respect
PE	PE Syllabus	Gymnastics
		Mutual respect
RE	ESCC Agreed	Why are sacred texts important?
	Syllabus	Tolerance
PSHEe	Aspirations	PSHEe Syllabus
	E-safety	

MFL	Mandarin and French Club	Mutual respect
British Values	Democracy Rule of law Individual liberty Mutual respect Tolerance	Integrated with foundation subjects

Vocabulary, Punctuation and Grammar focus:	Year six revision linked to SATs curriculum
Spelling Focus	Year six revision linked to SATs curriculum Pupils to follow the support for spelling programme using spelling bank materials.
Linked Extended Writing:	Year six revision linked to SATs curriculum
Cross curricular Maths opportunities:	Year six revision linked to SATs curriculum

Early Morning Maths Focus:	Multiplication / Mental Maths
Target Writing:	Year six revision linked to SATs curriculum