



Key Stage 3 Science- Scheme of Work Outline

Year 7	Super Heroes	<ul style="list-style-type: none"> • Students will discover the science behind super powers • Design a scientifically accurate outfit to enable their superhero to travel into space • Superheroes will explore space and discover life and new elements on a planet
	Crime and Horror	<ul style="list-style-type: none"> • Students will take on the role of Forensic Scientists and investigate a mock crime scene in school • Learn how to collect evidence and how science can be used to provide information • Explore techniques such as chromatography, fingerprinting, microscopy and footwear impression • Use evidence to put the suspect on trial
	Blood Brothers	<ul style="list-style-type: none"> • Follow the life of the twins in blood brothers • Discover how the twins were created and their very early development in the womb • Explore human characteristics and how we are affected by both inherited factors and the environment • Identify differences between the twins' lifestyles in town and country and use this knowledge to explore the local area
	Cult of Celebrity	<ul style="list-style-type: none"> • Develop knowledge and understanding of light and sound to produce an episode of 'Windlestone's Got Talent' • Play the role of the paparazzi following the up and coming star, the lighting experts, costume designers, sound engineers and the directors
	Private Peaceful	<ul style="list-style-type: none"> • A comparison of life at the time of World War I with the present day • Learn about the diet of those on the front line, casualties and people at home in Britain – how rationing affected their diet • Investigate the Science of the trenches, how could you get clean water, how could you keep warm and compare to modern army technology
	PLUNDERING PIRATES	<ul style="list-style-type: none"> • Take a trip on board a Pirate ship to a desert island to retrieve your treasure • Build your ship and go pond dipping for 'sea' monsters • Unearth the food chains and feeding relationships on the island • Locate the treasure and create your own fake treasure to leave behind



Year 8

Spooks, Spirits and a Touch of Magic

- Experience the magic of Science
- Students must use their scientific knowledge to bring their own version of Frankenstein's monster to life
- Unearth the parallels between the scientific discovery of electricity with the literary fiction written at the time
- Science fiction of today focuses on robots, compare Frankenstein to Robots and look at creating your own robot

Shocking Shakespeare

- Students will reveal the science of the three witches brew from Macbeth
- Learn how acids and alkalis work
- Learn about simple chemical reactions
- Produce your own stock of magic potions
- Read and produce a secret potion book

Boy in the Striped Pyjamas

- Mastermind an escape from the camp
- Use knowledge of science to build rafts, bridges and sledges to help your escape
- Understand how refraction and reflection can help you escape
- Use the rock cycle to help you find ground you can dig a tunnel in

The Zoo

- Students take on the role of Zookeepers
- Apply knowledge to ensure safe running of the zoo
- Learn about different animals, their habitats, behaviours and diets
- Understand science in the workplace and health and safety procedures
- Explore ideas of a futuristic zoo

Hopes and Dreams

- Compare lifestyles in 1950, 2000 and expectations for 2050
- Discover the technologies of the past, present and future
- How have buildings changed in this short period of time
- Understand the effects our changing atmosphere may have on our world
- Visualise your own hopes and dreams for the world in 2050

Healthy Lifestyles

- Students compile a healthy lifestyle fact book
- Understand how your bones and muscles work
- Define a healthy diet and explore diet myths
- Explain the importance of exercise
- Explore the science of microbes and disease
- Evaluate your own lifestyle