

Title: It's Top Secret!



TERM: Autumn 1
YEAR GROUP: 4

Rationale:

Year 4 have received a special message from Agent Houghton, the CEO of the National Intelligence Agency. This message revealed that the Year 4 teachers are actually undercover spies working for the agency and that they have been tasked with finding new, young recruits to become special agents! The children of Year 4 have six weeks to prove that they have what it takes to graduate as agents for the NIA. As part of this training programme, each pupil will have to design, create and evaluate a signature spy gadget to help them with their future missions.

Lead Subject: DT

For this project, each pupil will design, make and evaluate a spy gadget for Agent Houghton. This gadget must be functional and appealing and contain a working electrical circuit. We will be carefully designing our products and selecting appropriate materials for the gadgets' purpose and structure. In lessons, we will also be learning new skills to join and reinforce materials to ensure our gadgets are fit for purpose.

Lead Subject: English

Throughout this project, we will be reading 'Operation Gadgetman!' by Malorie Blackman. We will also be developing our VIPERS reading skills through the short film 'Spy Fox' and writing our own short story inspired by the film. As well as this, we will produce a persuasive letter to convince Agent Houghton to commission our spy gadgets for his spy academy.

Lead Subject: Science

In science, we will be learning all about electricity, where it comes from and how it travels. To link with D.T, we will be constructing circuits and carrying out investigations with the components to help us produce the best circuit for our gadget. We will also be exploring how to create scientific diagrams of these circuits for our product designs.

TOP SECRET

Applied Subject: ICT

In computing sessions, we will be creating advertising posters for our spy gadgets to continue to develop skills using Microsoft Word and Publisher. We will be exploring how to import pictures from the iPads and how to safely retrieve appropriate images from the internet.

Outcome:

The spy gadgets we create will be shared on the blog for families to see. We will also be sending these off to Agent Houghton as part of our spy training.

Home learning:

Your home learning assignment will be to produce a blue print for a spy vehicle for Agent Houghton. Details to follow.

School Values: Resilience

In D.T, we will be developing our self - evaluation skills throughout the process of designing and making our spy gadgets. We will be building resilience when problem solving, correcting faults and self-evaluating to improve the products.

Maths:

This half term, we will be focussing on adding and subtracting using expanded column method. We will then apply these skills to help us solve measurement problems, with a particular focus on money. Alongside this, we will continue to develop our mental maths strategies to add and subtract numbers and using known number facts, such as number bonds to 10, to solve larger calculations.

Discrete: P.E.

Hockey
Athletics

Discrete: French

Numbers to 20
About me: How old I am and where I live.

Discrete: PDL

Me and my relationships

Discrete: R.E.

Creation

