


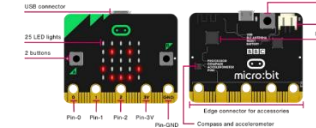







# Haresfield Computing Curriculum UKS2

Year A	<b>Search Engines</b>	<b>Bletchley Park</b>	<b>Sonic Pi</b>	<b>Micro bit</b>	<b>Skills showcase</b>
					
	To enable children to quickly and accurately find information and become independent learners.	Children investigate secret codes and how they are created, exploring 'brute force' hacking and learn how to make passwords more secure.	Composing music using code through sonic Pi, pupils can import samples, add drum beats and compose simple tunes culminating in a battle of the bands.	Pupils program a small device called a micro-bit to display animations or messages on its simple LED display using block coding.	Adverts and publishing Importing pictures and text Publishing and advertising Choose appropriate software for a purpose – link to 'I have a voice'
	<b>Online Safety</b>		<b>Online Safety</b>		<b>Online Safety</b>
	Online Safety Computing Planet		Infobuzz - Safer Gaming		Pupils create an online safety resource for younger children using tools such as presentation software, video tools or a simple stop-motion animation.
Year B	<b>Creating Media – Stop motion</b>	<b>Big Data</b>	<b>Mars Rover 1 and 2</b>		<b>Introduction to Python</b>
					
	Pupils learn how to create simple animations, storyboarding their ideas and then decomposing the story into small parts of action to be captured using the Stop Motion Animation software.	Children learn how data is collected and stored by exploring bar codes, QR codes and RFID chips. Link to pig heart boy	Pupils explore inputs and outputs as well as binary numbers to understand how the Mars rovers transmit and receive data and how scientists are able to control it to explore another planet. Link to cosmic and DT		Learning how to use the programming language of Python, using code efficiently to create designs and art.
	<b>Online Safety</b>		<b>Online Safety</b>		<b>Online Safety</b>
	Online Safety Computing Planet Y6		Infobuzz - Safer Gaming		Y6 only – sexting and cyberbullying <b>Skills showcase</b> Reflecting on and showcasing their computing skills, pupils create an entire project around a specific theme.