St Mary's Horsforth – Art and Design Knowledge Organiser Year 4 – Electrical Systems – Alarms – Autumn 2



Enquiry Question: Why do we need alarms?









What should I already know?

- Use simple circuit in product.
- How to program a computer to control product.

What will I know at the end of the unit?

- Different types of alarm systems used in everyday life and their uses
- Different types of switches are activated.
- The dangers of mains electricity
- how to create simple circuits with a variety of different switches
- how some commercial switches work (push- to- break & push- to- make)
- How to evaluate a design and annotate improvements or alterations

Vocabulary	Inventor	Recommended Reads
aesthetics	Jonanthan Ive	
alarm system		
alterations		× 1+/
batteries		CTIM
buzzers		
circuit		ACTIVITY BOOK
clips		ENSINEERINS WATER
container	The second	Packed with additions
design		winning dering discop, San Hallmann. as Contrate Installand
electrical components	All the second	
evaluate		0 705 000 00 00 00 00 00 00 00 00 00 00 00
finished product	Parish 1938	
functionality		
high quality		7 Little & W
improvements	The second second	e Inventors
investigate		HATALTAN
measurements		A quide to becoming an ingenious inventor
purpose		Agrand to occurring an ingenious mental
specification		100
theme		
wires		