

# Computing Faculty

Business & Enterprise, Computer  
Science and I-media



 **Shaw  
Education  
Trust**  
We believe, you achieve

# Do Now...

- When computers execute instructions it has to be converted into Binary. Binary is the language of Computers.
- Each letter (key) on the keyboard as a unique number assigned to it. The letter 'A' has the number 65 assigned. 65 converted to Binary is (can you work out how it works?):

128	64	32	16	8	4	2	1
0	1	0	0	0	0	0	1

- Can you convert THS into binary? T = 84, H = 72, S = 83



# KS3 Computing Curriculum

YEAR 7	YEAR 8	YEAR 9
Microsoft Skills – Word	Microsoft Skills – Excel	ICT in Context – PowerPoint, Excel and Word
E-Safety	FMS Logo	Micro: Bit
Scratch	Small Basic	Python
Computing Hero's	Doodle for Google	Robotics with Micro: Bit
Computing Theory	Computing Theory	Computing Theory
Code.org – Course 2	Code.org Course 3	Idea.org



# KS4 Curriculum Overview – Option

- At KS4 Business and Enterprise, Computer Science and I-media is an option. Below is an overview of what will be covered in year 10 and 11.

Business & Enterprise	Computer Science	iMedia
Market Segmentation	System Architecture	Media Pre-Production Skills
Market Research	Memory & Storage	Creating Digital Graphics
Finance	Computer networks & Network Security	Website Design
Break Even	System Software	Comic Book Creation
Fixed and Variable Costs	Ethical, legal, cultural and environmental	
Profit and Loss	Algorithms	
Promotion	Robust Programming, Programming Fundamentals, Languages & IDE	
	Boolean Logic	



# Do Now Answers...

- $T = 84$

128	64	32	16	8	4	2	1
0	1	0	1	0	1	0	0

- $H = 72$

128	64	32	16	8	4	2	1
0	1	0	0	1	0	0	0

- $S = 83$

128	64	32	16	8	4	2	1
0	1	0	1	0	0	1	1





We believe, you achieve

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