

SUBJECT NAME COMPUTER SCIENCE



ALDER
Community High School

YEAR GROUP 7

Topic – Introduction to Alder / Internet Safety		
Autumn Term 1	Composites - Describe the importance of passwords - Identify the dangers of social networking - Describe the dangers of Cyber bullying - Develop word and PowerPoint skills - Navigate the school network	Key Vocabulary - Password - Slide - Transition - Cyberbullying - Social Networking
	Assessment AFL used throughout lessons in the form of whiteboards and code calling. Mid-point MCQ test to inform planning and reteach of misconceptions also end of topic assessment.	ILS Revision - Knowledge drop, flash cards, condense it, mind map, mnemonics
	How to help at home Use ILS strategies to ask questions on what they have studied in lesson. Check retrieval of the knowledge using the knowledge organisers. Ensure revision is completed on the retrieval grids.	Wider reading KS3 Computer Science - BBC Bitesize
	SMSC Dangers of staying safe online Awareness of how to report issues Digital footprint	Careers Links Network manager, Software developer, technician



Autumn 2	Topic – Understanding computers	
	Composites • Define “What is a computer?” • Compare computer peripherals • Describe how storage is measured and explain different backup options • Identify pieces of hardware and their purpose • Explain an embedded system and a general-purpose computer • Explain the different types of software available	Key Vocabulary • Input/ output/ processing • Peripheral • Embedded system / General purpose computer • Backup/ storage • Individual hardware keywords e.g. optical drive, CPU etc. • Software i.e. application, system
	Assessment AFL used throughout lessons in the form of whiteboards and code calling. Mid-point MCQ test to inform planning and reteach of misconceptions also end of topic assessment.	ILS Revision - Knowledge drop, flash cards, condense it, mind map, mnemonics
	How to help at home Use ILS strategies to ask questions on what they have studied in lesson. Check retrieval of the knowledge using the knowledge organisers. Ensure revision is completed on the retrieval grids. Use the web links to support with wider understanding	Wider reading KS3 Computer Science - BBC Bitesize



	SMSC People and careers in Computer Science Alan Turing – Discrimination against LGBTQ+	Careers Links Network manager, Software developer, technician
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Our curriculum overviews are currently being revised to align with recent updates to teaching sequences and assessment planning. Once published, they will outline the key composite knowledge in each topic subject. We expect to share these with parents shortly and thank you for your patience during this update.



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