Meden School Curriculum Planning									
Subject	GCSE Computer	Year Group	10		Sequence No.	5	Topic	Impact of Digital	
	Science							Technology	
Week Nu	ımber	Retrieval				nowledge		Student Thinking	
-		What do teachers need from students before the teaching new content?			•	nowledge do teacher equence of learning?	s need	What real life examples can be applied to this sequence of learning to develop our students' thinking, encouraging them to see the inequalities around them and 'do something about them!'	
U5: Impact of Dig: Ethical and Cultural		KS3:E-Safety.Effective use of computers.		Discuss the impacts of digital technology on the wider society including: Ethical issues Cultural issues			Students will be able to think about and act on of disposing electronic goods, and environmental impact. Students will be able to further		
U5: Impact of Dig: E Issues	nvironmental	Students have an under hardware and the impa environment through d	ct of	enviror Th Th Th E-Wast accesso and gar Forum, the wo enviror safely r electro broken	nment including: e impact of manufa e impact of upgradi e impact of e-waste te - the disposal of a pries like plugs, phormes consoles. Accor , e-waste is the faste ard and it's a major pries while most of precycled, other processing can create dang a or unwanted electr	ng or replacing ny electronic devices nes, computers, telever ding to the World Eccest-growing type of we problem for the electronic products of	and visions onomic vaste in an be	use technology within the legislation of the UK relating to Computer Science. Students will be aware of plagiarism and risks associated with this for further studies.	

U5: Impact of Dig: Legislation	KS3 students have are aware of the	Discuss the impacts of digital technology on wider	
	legal aspects, including:	society including:	
	The Data Protection Act 2018	Legal issues	
	Computer Misuse Act 1990	Privacy issues	
		Describe legislation relevant to Computer Science:	
		The Data Protection Act 2018	
		Computer Misuse Act 1990 Computer Misuse and Betanta Act 1999	
		Copyright Designs and Patents Act 1988 Coffee and line an	
		Software licences including open source and	
		proprietary	
		The Commuter Misuse Ast protects personal data hald	
		The Computer Misuse Act protects personal data held	
		by organisations from unauthorised access and modification).	
		· I	
		The act makes the following illegal:	
		Unauthorised access to computer material. This refers to entering a computer system without	
		refers to entering a computer system without	
		permission (hacking)	
		Unauthorised access to computer materials with intent to commit a further crime. This refers to	
		entering a computer system to steal data or	
		destroy a device or network (such as planting a	
		virus)	
		Unauthorised modification of data. This refers to data and also account the	
		modifying or deleting data, and also covers the	
		introduction of malware or spyware onto a	
		computer (electronic vandalism and theft of	
		information)	
		Making, supplying or obtaining anything which can	
		be used in computer misuse offences	
		The Data Protection Act exists to protect such details	
		The <u>Data Protection Act</u> exists to protect such details. This personal data includes items such as:	
		name and address	
		• name and address	



- medical records
- school and employment records
- religion

Personal data is private and should only be accessible by authorised people. Also, digital files stored on computers can be easy to access, copy and share. Protection is needed to make sure that our personal data is kept private and not altered or deleted. The Data Protection Act exists to ensure our data is properly looked after.

In addition, everyone has the right to see what data is held about them by an organisation, and to have that data corrected or deleted if incorrect.

The <u>Copyright Designs and Patents Act (1988)</u> gives creators of digital media the rights to control how their work is used and distributed. Music, books, videos, games and software can all be covered by copyright law.

Anything which you design or code is automatically copyrighted and may not be copied without your permission, as the digital creator.

Tier 3 List:

Ethical, cultural, environmental, legislation, Manufacture, disposal, upgrade, replace, e-waste, Privacy, legal, data protection, computer misuse, copyright, copyright designs and patents act, open source, proprietary, software licence.