Year 7

Task	Text	Task	Unit and Lesson
1	What is Netiquette?	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from comprehension to creating a top 5 netiquette guidelines for pupils to follow.	Online Safety
2	Where does our food come from?	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from comprehension to using a spreadsheet about food banks.	Using Documents
3	The Internet and the WWW	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks including producing a timeline of events linked to the development on the internet and WWW.	Scratch
4	The impact of AI	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from questions, fill in the gaps and giving their opinion on the impact it will have on them.	Networks
5	Copyright	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks and discuss in groups and as a class about why copyright rules should be followed.	Using Media
6	Fake News	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from comprehension to giving their opinion about the dangers of fake news to them..	Using Media

Year 8

Task	Text	Task	Unit and Lesson
1	How computers can help the world we live in.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from comprehension to investigating examples of computers helping the environment.	Computer Systems
2	The use of 3D printing to help communities.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from group/class discussions to creating a poster highlighting one of the projects discussed.	Tinkercad

3	Closing the digital gap between nations	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will summarise the different initiatives used to try and help developing countries with access to technology.	Data Representation
4	The impact of intensive farming.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from group/class discussions to creating a mind map on cause/effect.	TuringLab
5	David vs Goliath: smallholder farmers in Columbia stand up for their rights.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks investigating other examples of subsidiarity.	Microbit
6	AI Generated Images	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from comprehension to investigating where AI images are used.	Image Handling

Year 9

Task	Text	Task	Unit and Lesson
1	The environmental impact of data mining.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will produce a mind map showing the different impacts it can have and what each impact means.	Cyber Security
2	3D printing helping vulnerable communities.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will produce a poster highlighting the positive impact of 3D printing.	Onshape
3	Ada Lovelace and the first computer program in the world.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from comprehension to producing a timeline of her life.	Python Programming
4	The effect of screen time on our health, both physical and mental.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will produce a checklist encouraging a healthy approach to screen time.	Mobile apps
5	How search engines work.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will complete tasks ranging from comprehension to investigating how algorithms are used on other types of websites.	Algorithms

6	Online Safety Bill: divisive internet rules become law.	Pupils will use active listening techniques when reading the text. Unfamiliar words will be highlighted and discussed. Pupils will produce a list of the rules that have become law and give their opinion on how successful pupils feel the bill will be.	Web Development

Year 10

Task	Text	Task	Unit
1	Architecture of the CPU	Pre-reading task (flipped learning) to introduce key vocabulary and ideas. These then covered in detail in the next lesson after a discussion of the reading.	Unit 1.1
2	PRIMM for programming – various texts	Read the Python code provided. (P - R) Make a prediction as to the outcome of running the code. Test this. (I) Investigate the code by altering parts and running (M) Modify the code by writing some new functionality (M) Make a new program based on what has been studied	This is used in multiple programming lessons through the year.
3	The Evolution of Storage	Devices Read as a class as starter exercise. Discuss changes in size, capacity and price of devices. Link to storage in their personal devices (e.g. phone)	Unit 1.2
4	The Internet Key Ideas	Read as a class. Discuss how many ideas are familiar and any misconceptions. Create flash cards of key terms	Unit 1.3
5	SQL Injection Attack: Real Life Attacks	Read the information and then using the knowledge gained answer comprehension questions.	Unit 1.4
6	Why Functions	Individual reading task. Exploration of vocab and key ideas. Expansion of why functions are the building blocks of programs. Create flash cards of key terms. Leads into writing function in Python	Unit 2.2

Year 11

Task	Text	Task	Unit
1	Crystal ball coupons (CS4Fun) US weapons systems can be 'easily hacked' (BBC News)	Individual reading task. Exploration of vocab and key ideas. Discussion as to the rights and wrongs of the data use shown. Writing down of personal thoughts. Used as an introduction to ethical and legal issues. Individual reading task. Group task to identify and expand on key vocab. 5 questions for further exploration – including extra research.	Unit 1.6
2	Driverless Cars	Individual reading task. Group task to identify and expand on key vocab. 5 questions for further exploration – including extra research.	Unit 1.6

3	PRIMM for programming – various texts	Read the Python code provided. (P - R) Make a prediction as to the outcome of running the code. Test this. (I) Investigate the code by altering parts and running (M) Modify the code by writing some new functionality (M) Make a new program based on what has been studied	This is used in multiple programming lessons through the year.