

Year 9 Digital Literacy Knowledge Organiser

Unit Summaries

 **Animation:** Learn how to create and manipulate digital animations using tools like Scratch or vector graphics editors. Understand key concepts such as frames, motion paths, and transitions.

 **Data Science:** Explore how data is collected, analyzed, and visualized. Learn about data types, charts, and how to interpret data to make informed decisions.

 **Cybersecurity:** Understand the importance of protecting digital information. Learn about threats like phishing, malware, and how to stay safe online through secure passwords and encryption.

Key Terms

 Term	 Definition	 Example
Frame	A single image in an animation sequence.	Each frame shows a slight movement of the character.
Motion Path	The trajectory along which an object moves.	The ball follows a curved motion path.
Transition	Effect used to move from one scene to another.	Fade-in transition between slides.
Data	Facts and statistics collected for analysis.	Survey results about student preferences.
Chart	Visual representation of data.	Bar chart showing favorite subjects.
Phishing	Fraudulent attempt to obtain sensitive information.	An email pretending to be your bank.
Malware	Software designed to harm a computer.	A virus that deletes files.
Encryption	Process of converting data into a secure format.	Encrypted messages can only be read with a key.

Quiz Section

1. What is a motion path in animation?
2. Name one type of chart used in data science.
3. What is phishing and how can you avoid it?
4. Why is encryption important in cybersecurity?
5. What does each frame in an animation represent?

Notes Section



Use the space below to write your own notes or examples:
