



Purple Mash Computing Scheme: Knowledge Organiser

Year 4

Introduction to Artificial Intelligence (AI)

Key Learning

- To understand what Artificial Intelligence is and some of the tasks it can carry out.
- To learn to communicate effectively with AI tools by writing clear and precise prompts.
- To understand how to be a good digital citizen when using AI.
- To think about how AI might develop in the future.

Key Vocabulary

Artificial Intelligence (AI)

A type of technology that can make predictions, take actions and create content, by learning from data.

Automation

When machines or AI do tasks humans normally do.

Data

Pieces of information (like words, pictures, sounds or numbers) that AI uses as “ingredients” to learn.

Digital Citizenship

Making smart, kind, and safe

Generative AI

A kind of AI that makes brand new things (stories, images, etc.).

Human Oversight

Humans being in charge, checking, and making rules for AI.

Innovation

A new idea, improvement, or helpful invention.

Prediction

When AI looks at data, finds patterns and guesses what comes next.

Prompt

The instruction given to generative AI (like asking for a story or picture).

Refine

To improve or make something better by making small changes.

Responsible Behaviour

Being respectful, thinking about the impact of our actions, and acting kindly.

Trustworthy / Reliable

Considering whether information (or AI output) is