Computing – Year 6

Autumn 2 – Artificial Intelligence

Grove School

In this unit I will learn

- Artificial intelligence (AI) uses patterns in data to make predictions or generate content.
- AI can produce text, images and recommendations.
- AI-generated information may not always be accurate.
- Claims should be checked using reliable sources.
- Images can be manipulated or generated by AI.
- AI-generated media can affect artists, audiences and the environment.
- Recommendation algorithms can influence what people see online.
- AI systems can produce unfair outcomes.
- People remain responsible for decisions made using AI.
- AI should be used responsibly and critically.

Key Knowledge

- AI does not understand information in the same way humans do.
- AI can sound convincing even when it is wrong.
- Online information should be verified before being trusted.
- Images are not always reliable evidence.
- Algorithms influence the content people see online.
- AI systems can reflect bias.
- Human creativity and judgement remain important.
- Responsible users think critically about AI-generated content.

Key Vocabulary

Artificial Intelligence (AI) - computer systems that use patterns in data to make decisions, predictions or generate content.
Data - information used by a computer system.
Prediction - an informed guess based on patterns.
Generate - create new content.
Reliable - likely to be accurate and trustworthy.
Source - where information comes from.
Evidence - information used to support a claim.
Verify - check whether information is true.
Misinformation - false or inaccurate information.
Manipulated Image - an image that has been altered.
Deepfake - realistic but false media created using AI.
Bias - an unfair preference towards certain outcomes.
Algorithm - a set of rules followed by a computer system.
Influence - affecting somebody's choices or opinions.
Ethical - relating to what is right and wrong.