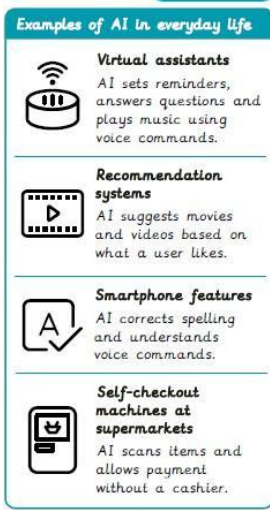


Summer Term, Year 6, Computing, Exploring AI

Subject specific Vocabulary		Images/Diagrams/Maps	Important Knowledge
AI	Artificial intelligence is the technology that enables machines to think and learn like humans		To know that AI is artificial intelligence and is used in everyday life.
Applications	The ways in which technology or software us used to perform task		
Authenticity	Being genuine or real		To know that AI is trained on data to recognise patterns and generate outputs.
Ethical	Related to what is right and wrong		To know that AI can be used to generate written content.
Implications	The possible effects or results of an action		To know that AI can be used to create visual content like pictures.
Modify	To change or alter something		To know that AI can help generate basic HTML code to create the structure and layout of a website.
prompt	An instruction that gives an action or response		
Refine	To improve or make something more precise		To know that there are ethical issues surrounding AI, including data privacy, bias and responsible use.
trained	Conditioned or taught to perform a task or behave in a certain way through practice or instruction	Writing opportunities/ Enrichment opportunities Computing: Use simple AI tools, chatbots, or coding platforms to explore machine learning basics. Math: Analyse data patterns AI might use to make predictions. English: Write instructions for an AI or explain how it works in clear, simple language. PSHE / Citizenship: Discuss responsibility, ethics, and safe use of AI in everyday life.	

Presentation	Assessment		
1	To explore the basics of AI.	Explaining what AI is and its basic functions; identifying real-life applications of AI that are commonly used in everyday life; discussing how AI can contribute to sustainability and its role in energy efficiency and waste reduction.	Identifying multiple real-life applications of AI that are commonly used in everyday life and explaining their purpose; demonstrating a deeper understanding of how AI can play a significant role in the environment.
2	To recognise how AI processes and responds to text prompts.	Demonstrating a basic understanding of how AI understands and processes text prompts; effectively using an AI platform to input text prompts; generating and improving content; evaluating the responses given by the AI; providing thoughtful suggestions for improvements.	Demonstrating an in-depth understanding of how AI text generators work; experimenting with and optimising prompt structures; critically evaluating AI responses by comparing them with human-generated content.
3	To recognise how AI can be used to explore and generate images.	Demonstrating an understanding of how to communicate effectively with AI by creating clear and detailed prompts for AI to generate images; describing the process of how AI can create images based on given prompts; refining prompts thoughtfully to achieve the best possible responses from the AI; explaining clearly how refining prompts can lead to better quality AI-generated images.	Explaining the effectiveness of their prompts in generating high-quality images; analysing how AI interprets and processes prompts to create images; refining prompts with a strategic approach; refining prompts using a strategic approach; justifying their reasoning and using examples to explain how improving prompts leads to better-quality images.
4	To use AI to generate HTML code and apply it to the website Trinket.	Identifying how AI generates code for a specific purposes; recognising the use of AI in web design; identifying how AI can be a useful starting point for a project while recognising that human input is necessary for creative solutions.	Explaining how AI generates code compared to standard text; evaluating how the use of AI has a place in web design and explaining why; explaining how AI is a useful starting point and that human creativity and input are essential.