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| **Lesson Title** |
| How AI creates content (Generative AI) |
| **Introduction** |
| Generative AI is a branch of artificial intelligence that goes beyond analysing or classifying existing data—it creates new content. Building on the foundation established in earlier AI lessons, this session explores how AI models, such as large language models (LLMs) and image generation systems, are designed to generate text, images, and other media based on learned patterns from large datasets. |
| **Materials required** |
| * Device with internet access and screen to present videos to class * Paper and pencils * Access to an AI image generator (such as ChatGPT, Dall-e, Microsoft Copilot image generator, Stable Diffusion) **only** if running the optional ‘Prompt Battle’ activity. |
| **Learning Outcomes** |
| * Define Generative AI and list some common examples. * Describe in general terms how AI can generate text using large language models. * Describe in general terms how AI creates images. * Understand how different prompts can change the AI’s output. * Understand the ethical and safety concerns surrounding the use of Generative AI. |
| **Curriculum Links** |
| * **To be filled in.** |

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| **Lesson Outline** | |
| 5 min | **Introduction to Generative AI** |
| 20 min | **Text Generation:**   * Text Generation Explanation video (2 min) * ‘Let’s Generate a sentence’ and ‘Let’s write a story’ activities (These can be run paper-based or using Mentimeter or a similar online engagement tool instead) |
| 30 min | **Image Generation:**   * How does image generation work? (5 min video) * Prompt Battle (Optional, 15 min) – **requires access to an AI image generator** * Blorps and Glixers (10 min) – paper-based drawing activity * Optional extension drawing activity (5 min) |
| 5-10 min | **Discussion:** This section contains a selection of discussion prompts to discuss topics around ethics and safety of Gen AI. |

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| **Additional Resources** |
| Further Resources  * <https://www.youtube.com/watch?v=kCe-iOA7N9M> Raspberry Pi 3 min video on Gen AI & misinformation * <https://www.whichfaceisreal.com/>   + Allows you and your students to test your skills of distinguishing between real and AI-generated faces.  Suggested Articles & Case Studies You may like to refer to some real-life case studies that refer to challenges with ethical AI on AI Art & Copyright:   * Artists Protest AI Art Auctions: Thousands of artists have protested auctions featuring AI-generated art, arguing that these works often utilize copyrighted material without permission. [theguardian.com](https://www.theguardian.com/technology/2025/feb/10/mass-theft-thousands-of-artists-call-for-ai-art-auction-to-be-cancelled?utm_source=chatgpt.com) * Legal Challenges Over AI-Generated Art: Artists have filed lawsuits claiming that AI companies use their works without consent, leading to potential copyright infringements. [itsartlaw.org](https://itsartlaw.org/2024/02/26/artificial-intelligence-and-artists-intellectual-property-unpacking-copyright-infringement-allegations-in-andersen-v-stability-ai-ltd/?utm_source=chatgpt.com)  Use of Generative AI Please ensure you follow your local authority’s guidance on use of GenAI with learners. One approach would be to have the learners (in teams or individually) plan out and type up a prompt and send it to the teacher to then run the AI query.  This will also mean the browser window can be quickly closed on the unlikely chance inappropriate content is displayed by the AI system. |