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SAIGE Level 3 Award in AI for Post-16 Educators

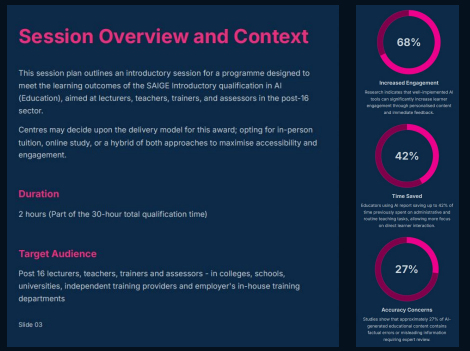
An overview of
Learning Resources
available to SAIGE Centres

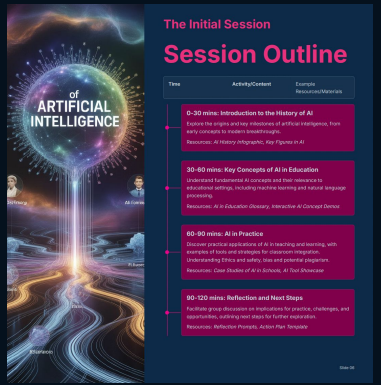
Introduction to AI in Education

This resource serves as an exemplar introductory teaching session for educators and trainers in the post-16 sector. It's designed to provide foundational knowledge and can be used as a teaching aide, delivered directly to learners, or for a facilitator's own professional development.

- **Key Topics:** The session covers the history of AI, key concepts in education, practical applications in the classroom, and the ethical implications of AI use, including bias and plagiarism.
- **Flexible Delivery:** It's designed for various delivery models, including face-to-face, online, and hybrid approaches.
- **Learning Outcomes:** The goal is to build a historical understanding of AI, identify current applications, and develop confidence in incorporating AI into teaching practices while maintaining ethical awareness.

A snapshot of the resource



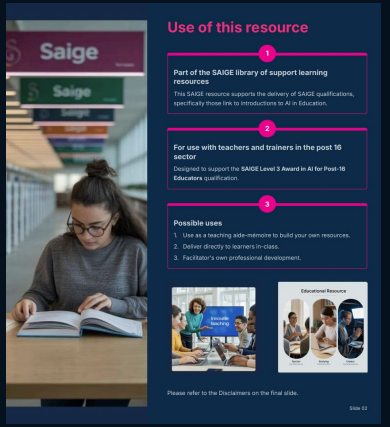


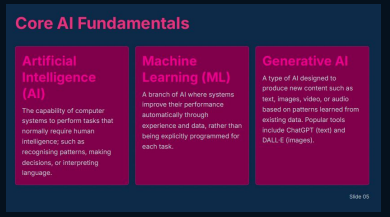
Glossary of Essential Terms

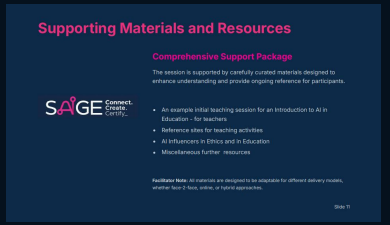
This document is a comprehensive glossary designed to build AI literacy for anyone involved in education. It provides clear definitions of essential concepts to help educators engage confidently with AI technologies.

- **Core Concepts:** Defines fundamental terms like **Artificial Intelligence (AI)**, **Machine Learning (ML)**, and **Generative AI**, which creates new content such as text, images, or audio.
- **Ethical and Technical Terms:** Explains critical concepts like **AI Hallucinations** (when AI produces factually incorrect content) and **Algorithmic Bias** (systematic errors from biased training data). It also covers **Prompt Engineering**, the skill of crafting effective instructions for AI models.
- **Implementation Models:** Introduces terms like **Human-in-the-Loop (HITL)**, a model where human oversight is maintained to ensure accountability, and **Digital Equity**, which ensures fair access to AI tools for all learners.

A snapshot of the resource







Use of AI Detection Tools

This resource is a comprehensive guide on implementing AI-detection tools while maintaining academic integrity and fairness. It highlights that undeclared AI use in academic work can constitute plagiarism.

- **Role of Detection Tools:** The tools analyze submissions for features associated with AI-generated content, but their results are only indicative and should be used as part of a wider process.
- **Strengths:** They can act as a deterrent, support academic integrity alongside other checks, and provide a scalable solution for screening a large volume of submissions.
- **Limitations and Concerns:** The document warns of potential issues with these tools, including false positives, over-reliance by assessors, limited contextual understanding, and the risk of disproportionately flagging work from non-native English writers.

A snapshot of the resource