



An overview of Learning Resources available to SAIGE Centres



A snapshot of the resource

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.



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Introduction to Artificial Intelligence for teachers and trainers in Post 16 Education and Training

An exemplar introductory teaching session for use in face-to-face delivery models designed to provide foundational knowledge of AI in education for post-16 educators.

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Slide 01

Current Applications

Ethical Awareness

Identify and evaluate existing AI tools and their potential applications in post 16

Session Overview and Context

This session plan outlines an introductory session for a programme designed to meet the learning outcomes of the SAIGE introductory qualification in AI (Education), aimed at lecturers, teachers, trainers, and assessors in the post-18

Centres may decide upon the delivery model for this award; opting for in-person tuition, online study, or a hybrid of both approaches to maximise accessibility and engagement.

Duration

2 hours (Part of the 30-hour total qualification time)

Target Audience

Post 16 lecturers, teachers, trainers and assessors - in colleges, schools, universities, independent training providers and employer's in-house traini departments

Side 03







Historical Understanding

Develop comprehensive knowledge of All evolution and its impact on educational practices over time.

03 Practical Integration

Build confidence in incorporating Al technologies into teaching, assessm and administrative practices.

Future Readiness

Prepare for ongoing developments in AI technology and their potential impact of education delivery.

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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





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Use of AI Detection Tools

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

- Role of Detection Tools: The tools analyze submissions for features associated with Al-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.

