

COURSE OUTLINE · FIVE DAYS · TEN HOURS

AI for Effective Teaching

26–30 October 2026 · 4:00–6:00 PM GMT daily

Fully online · 2 hours daily



The course objective

Equip educators to use AI responsibly for lesson planning, instructional content, student engagement, assessment, personalised learning and teaching productivity.

Who it is for

Basic school teachers, SHS teachers, tertiary lecturers, teaching assistants, trainers and educators.

Your week at a glance

- Monday: Plan — AI fundamentals and intelligent lesson planning.
- Tuesday: Plan — Lesson planning and scheme of work with Claude and Brisk Teaching.
- Wednesday: Create — Interactive and personalised teaching resources.
- Thursday: Assess — Assessments, feedback and teaching automation.
- Friday: Govern — Academic integrity, governance and ethics.

DAY 01 · MONDAY, 26 OCTOBER

AI Fundamentals, Prompt Engineering and Intelligent Lesson Planning

Hands-on workshop

Build a lesson around your curriculum, your learners and clear learning objectives.

What you will explore

- Generative AI: useful teaching support, capabilities and limitations.
- Educator prompting: specify subject, level, curriculum, task and output format.
- Curriculum alignment, lesson plans and schemes of learning.
- Learning objectives, classroom activities and differentiated instruction.

Practical project: AI-Powered Lesson Planning

Develop and review a complete lesson plan for a topic you teach, aligned with your approved curriculum.

What you will create

- Learning objectives and curriculum links
- Teaching activities and learning resources
- Differentiation and evaluation methods

A practical educational example

Illustrative classroom context: a Basic 6 fractions lesson with everyday market examples and support for mixed-ability learners.

Tools you will interact with

ChatGPT · Claude · MagicSchool AI · Brisk Teaching

DAY 02 · TUESDAY, 27 OCTOBER

Application of AI Tools for Lesson Planning and Scheme of Work Development

Hands-on workshop

Turn your approved curriculum into a term scheme of work and ready-to-teach lesson plans.

What you will explore

- From syllabus to scheme of work: breaking a term into weekly, teachable units.
- Structured prompts that specify subject, level, curriculum strand, duration and output format.
- Generating lesson plans with objectives, activities, resources and evaluation.
- Reviewing and adapting AI drafts: accuracy, curriculum alignment, level appropriateness and local context.
- Reusing and refining outputs across classes and terms.

Practical project: Scheme of Work and Lesson Plan Builder

Use Claude to draft a term scheme of work for a subject you teach, then use Brisk Teaching to turn one week into a complete, classroom-ready lesson plan—reviewing and correcting every output.

What you will create

- A term scheme of work with weekly topics and objectives
- One complete lesson plan with activities, resources and assessment
- A personal prompt template you can reuse for any topic

A practical educational example

Illustrative classroom context: a JHS Integrated Science scheme of work for the term, with one week developed into a full lesson on photosynthesis using familiar local examples.

Tools you will interact with

Claude · Brisk Teaching

DAY 03 · WEDNESDAY, 28 OCTOBER

AI-Powered Teaching Materials, Interactive Content and Personalised Learning

Hands-on workshop

Turn your Day 1 lesson plan into resources learners can use and engage with.

What you will explore

- Professional teaching presentations and instructional materials.
- Interactive activities, simulations and classroom learning resources.
- Simplifying complex topics and adapting instruction to learner needs.
- Study guides, flashcards, audio explanations and student learning assistants.

Practical project: Interactive AI Teaching Resource Kit

Transform your lesson plan into a coherent teaching kit, then check its accuracy, readability and learner suitability.

What you will create

- AI-assisted teaching presentation
- One interactive learning activity
- Personalised study materials

A practical educational example

Illustrative classroom context: an SHS biology lesson on ecosystems with a visual presentation, food-web activity and revision cards.

Tools you will interact with

Gamma · NotebookLM · Claude Artifacts · Khanmigo · Quizlet

DAY 04 · THURSDAY, 29 OCTOBER

AI-Powered Assessments, Student Feedback and Teaching Automation

Hands-on workshop

Assess understanding, give constructive feedback and reduce repetitive preparation.

What you will explore

- Quizzes, assignments, examinations, answer keys and marking rubrics.
- Formative and summative assessment aligned with learning objectives.
- Personalised feedback and identification of learning gaps.
- AI agents, multi-step teaching tasks and recurring workflows using ChatGPT Work & Automations.

Practical project: AI Assessment and Teaching Productivity Workflow

Create a subject-specific assessment, review feedback on fictional student responses and design a recurring teaching workflow.

What you will create

- Assessment with answer key and marking rubric
- Constructive feedback on fictional responses
- Recurring AI-assisted workflow with teacher review

A practical educational example

Illustrative classroom context: a JHS science quiz, a checked marking rubric and a weekly revision-sheet preparation workflow.

Tools you will interact with

Edcafe AI · MagicSchool AI · Brisk Teaching · ChatGPT Work & Automations

DAY 05 · FRIDAY, 30 OCTOBER

AI Governance, Academic Integrity, Assessment Criteria and Ethics

Expert lecture & case studies · Prof. E.A. Asante

Set fair expectations for AI use while protecting privacy and independent learning.

What you will explore

- Institutional AI governance and practical policy principles.
- Privacy, fairness, bias, accountability and teacher responsibilities.
- Acceptable and unacceptable AI use in assignments and examinations.
- Assessment criteria that reveal student understanding, not just polished AI output.
- Transparency, acknowledgement, academic integrity and prevention of AI dependency.

Case studies, policy discussion & course reflection

Consider realistic student-use cases and discuss how to supervise AI use, protect independent learning and communicate clear expectations.

What you will take away

- Principles for student AI-use guidelines
- Ethical assessment criteria and responsible next steps

A practical educational example

Illustrative policy case: distinguish a student using AI for feedback on their own draft from submitting an AI-written assignment as their own work.

Learning approach

Practical educational examples, guided discussion and case-based reflection. No separate tool demonstration is prescribed for this session.

READY TO APPLY · RESPONSIBLE BY DESIGN

Your teaching toolkit and next steps



AI supports the teacher.

AI supports the teacher. It does not replace professional judgement, relationships with learners or responsibility for accurate, fair assessment.

By the end of the course

- Develop curriculum-aligned lesson plans using effective prompts.
- Create interactive teaching materials and personalised learning resources.
- Design assessments, marking rubrics and constructive student feedback.
- Use AI-assisted workflows to improve teaching productivity.
- Integrate AI responsibly across Basic, SHS and tertiary education.
- Establish guidelines for student AI use, academic integrity and ethical assessment.

Practical workshop format — Monday to Thursday

20 min: Theory & key concepts · 35 min: Live tool demonstrations · 50 min: Guided individual project · 15 min: Review, questions & submission

Friday — Prof. E.A. Asante

Expert lecture, practical educational examples, case studies and interactive discussion, with course reflection.

Come prepared

- Bring a curriculum topic, approved syllabus or lesson plan you can adapt.
- Have a laptop where possible and a stable internet connection.
- Use fictional or anonymised student examples; never upload identifiable learner records.

Tool access and availability

Tools are introduced according to the teaching task. Accounts, regional availability and paid features vary; no paid access is included or promised. ChatGPT Work and automation features depend on account support and permissions. Any recurring workflow must retain teacher review.