

Host a Human-AI Teaming study at your institution

An invitation to collaborate with the UCL TAICo research team.

We are looking for partners to conduct a 90-minute study exploring how educators complete pedagogical tasks independently and with an AI assistant. It examines five forms of human-AI teaming and their implications for task performance, agency and learning.

90 min

one sitting, fixed-time tasks

5

AI teaming conditions

Online or onsite

same session, same order

150 Educators

Expected numbers of participants

The project

TAICo (teacher-AI complementarity) <https://taico-project.eu/>, funded by the EU Horizon Programme, investigates how teachers and AI can work together in ways that support teachers' professional capabilities, agency and educational practices. University College London (UCL) team leads the work on designing and evaluating meaningful teacher-AI interactions.

Why it matters?

The increasing use of AI to automate pedagogical decisions raises concerns about teacher deprofessionalisation, particularly through over-reliance on AI and diminished professional judgement. However, empirical evidence remains limited on how different forms of teacher-AI interaction influence teachers' agency and professional learning.

This study examines how different configurations of AI assistance relate to educators' task performance, experiences of agency and learning. Host institutions help extend this research across educational settings.

What is this study about?

Participants at your institution will complete a series of pedagogical tasks, both independently and in collaboration with an AI assistant.

The study examines five configurations of AI support, each offering different capabilities for interacting and working with educators.

Our goals:

By comparing participants' experiences and performance across these activities and contexts, the study aims to generate collective empirical evidence on how AI can complement educators' expertise, support their professional judgement and contribute to the development of more human-centred AI systems in education.

Benefits of hosting the study:

- Access to a research-informed AI assistant developed by UCL, with technical and facilitation support.
- Insights into local educators' interactions with AI, potentially informing institutional policies and professional development.
- Opportunities to contribute to large scale international research on human-AI complementarity and explore future research collaborations or publications. Your participation helps inform guidelines for EdTech and teacher professional development at the international level.

Study format at a glance:

Participants undertake independent feedback tasks, a guided introduction to the AI assistant and two AI-assisted tasks, followed by a questionnaire and final independent task. The current implementation focuses on written feedback on student essays using CEFR criteria. Alternative pedagogical tasks can be discussed with UCL.

A0 Consent + background survey ~10 min	A1 Independent task 1 15 min	B0 Guided introduction to the AI assistant 10 min	B1 Work with the AI assistant on task 2 15 min	B2 Work with the AI assistant on task 3 15 min	Post Agency and experience questionnaire ~10 min	A2 Final independent task 4 15 min	A3 Optional delayed task 5, e.g. 1 week later 15 min
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■ Unassisted ■ AI-assisted ■ Survey (not timed) □ Optional

Five teaming conditions: Participants are randomly assigned to one of five conditions with distinct AI interaction capabilities. See our conceptual framework at: Cukurova, M., Suraworachet, W., Zhou, Q., & Bulathwela, S. (2026). Towards synergistic teacher-AI interactions with generative artificial intelligence. In M. C. Mayrath, J. T. Behrens, & D. H. Robinson (Eds.), Handbook of generative AI in education (pp. 261–279). Springer Nature Switzerland. https://doi.org/10.1007/978-3-032-24819-0_8.

PLANNING YOUR STUDY

What prospective host institutions need to consider

Choose a suitable delivery format

ONLINE

Participants join using their own computers through a dedicated study link. UCL monitors the platform remotely. Host institutions coordinate invitations and recruitment.

ONSITE

The host institution arranges a suitable room or participant laptops, internet access and local facilitation (approximately one facilitator per 20 participants). UCL supports platform and account preparation.

How the collaboration works

UCL RESEARCH TEAM

- Agree study design and materials
- Configure and test the study platform
- Support allocation and technical setup
- Monitor the study and manage research data

HOST INSTITUTION

- Identify and invite eligible participants
- Confirm local ethics and arrangements
- Provide facilities and facilitators if onsite
- Share agreed observations and session records

Practical considerations

- Participants need a laptop or desktop computer with internet access. The platform operates in English.
- Participation is voluntary and subject to informed consent. The study follows approved research ethics procedures.
- Allocation to the five AI teaming conditions is arranged according to the agreed study protocol.

Interested in hosting a study? Register your interest at:

<https://uclhumanaiteaming.com/>

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