

AI as Mirror: Learning Conversations in Practice

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From essays to conversations

**"We've moved
from essays to
conversations."**

In postgraduate education, we're witnessing a fundamental shift in how students demonstrate their learning. Traditional written submissions, whilst valuable, often capture only the final product of thinking, a polished outcome that masks the rich intellectual journey behind it.

Learning Conversations represent a departure from static assessments. They are structured, reflective dialogues that make the process of learning visible, offering both students and educators a window into the development of understanding, the navigation of complexity, and the integration of new knowledge.

What are Learning Conversations?

Articulation

Students express what they've learned through structured dialogue, making connections explicit and demonstrating depth of engagement with course material.

Process Reflection

Rather than simply presenting conclusions, learners explore how they arrived at understanding, the methods, challenges, and pathways of discovery.

Surprise & Discovery

Students identify unexpected insights, challenging assumptions, and moments where their thinking shifted or expanded in unanticipated directions.

These conversations create a space where process matters as much as outcome. They privilege authenticity over perfection, encouraging students to reveal their thinking rather than polish it into an idealised final form. The focus shifts from demonstrating mastery to exploring the journey of becoming masterful.



The Role of Artificial Intelligence

In this pedagogical model, artificial intelligence serves a distinctive function. It is not employed to generate content or produce assessments on behalf of students. Rather, AI functions as a rehearsal partner – a tool for preparation that helps learners sharpen their thinking before entering into formal learning conversations.

The mirror metaphor is deliberate: AI reflects students' ideas back to them, prompting deeper interrogation of assumptions, highlighting gaps in reasoning, and suggesting angles of inquiry they might not have considered independently.

AI as a mirror, not a writer



AI as rehearsal partner

01

Students articulate initial thinking

Learners use AI to test early formulations of their ideas, exploring how concepts might be expressed and where understanding remains underdeveloped.

03

Reflection strengthens argument

Students refine their positions through iterative conversation, developing more sophisticated understanding and preparing for authentic human dialogue.

02

AI provokes questioning

Through responsive dialogue, the AI system generates probing questions that challenge surface-level thinking and encourage deeper analytical engagement.

04

Preparation meets practice

Armed with clarified thinking, students enter formal learning conversations with greater confidence, articulacy, and readiness to engage at depth.

Amplifying the student voice

AI doesn't replace the voice. It **amplifies** it.

This distinction is crucial. The technology serves to strengthen, not substitute, authentic student expression. When students rehearse with AI, they're not outsourcing their thinking – they're preparing to articulate it more powerfully. The AI interaction becomes a developmental space where ideas are tested, refined, and strengthened before being brought into human conversation.

The amplification effect operates on multiple levels: clarity of expression improves, confidence in articulation grows, and the sophistication of argumentation deepens. Students arrive at formal assessments better equipped to demonstrate the full range and nuance of their understanding.



Dialogue over delivery

Assessment as Conversation

Learning Conversations reposition assessment from a terminal judgment to an ongoing exchange. Evaluation becomes dialogic rather than unidirectional, creating space for clarification, elaboration, and demonstration of understanding in real time.

Thinking Made Visible

The conversational format reveals cognitive processes that remain hidden in written work. Educators witness not just what students know, but how they know it, the reasoning pathways, the integration of sources, the navigation of complexity.

Education as Exchange

This approach foregrounds the fundamentally relational nature of learning. Knowledge emerges through interaction, understanding deepens through articulation, and education is recognised as a collaborative meaning-making endeavour.

Benefits for learners and educators

For Students

- Develops sophisticated oral communication skills essential for professional contexts
- Reduces anxiety associated with high-stakes written examinations
- Provides immediate opportunity for clarification and elaboration
- Validates diverse forms of knowledge demonstration beyond written text
- Encourages authentic engagement rather than strategic assessment performance

For Educators

- Gains richer insight into student understanding and conceptual development
- Identifies misconceptions and gaps in real time, enabling targeted support
- Reduces concerns about AI-generated written submissions
- Creates more engaging and intellectually stimulating assessment experiences
- Builds stronger pedagogical relationships through dialogue



Implementation considerations

Structured Frameworks

Provide clear guidelines for conversation structure whilst maintaining flexibility for authentic dialogue to emerge naturally.

Student Preparation

Offer guidance on using AI ethically as a rehearsal tool and establish expectations for conversation depth and breadth.

Assessment Criteria

Develop rubrics that value process, reflection, and articulation alongside content knowledge and analytical sophistication.

Staff Development

Support educators in developing facilitation skills for learning conversations and assessment literacy in dialogic contexts.

Authentic Learning Lives in Dialogue

Assessment reimaged

Learning Conversations represent more than an assessment innovation, they embody a philosophical commitment to dialogue as the foundation of education. When we create spaces for students to articulate their thinking, reflect on their learning processes, and surprise themselves with new insights, we honour the fundamentally conversational nature of intellectual development.

AI, when positioned as mirror rather than author, becomes a tool that enhances rather than diminishes human agency. It prepares students for the most important conversations of all, those that happen between learners and educators, where understanding is co-constructed and education is recognised as the profound exchange it has always been.

📄 **Moving forward:** Consider how Learning Conversations might be adapted within your own disciplinary context. What would authentic dialogue look like in your programme? How might AI support, rather than supplant, the distinctive voices of your students?