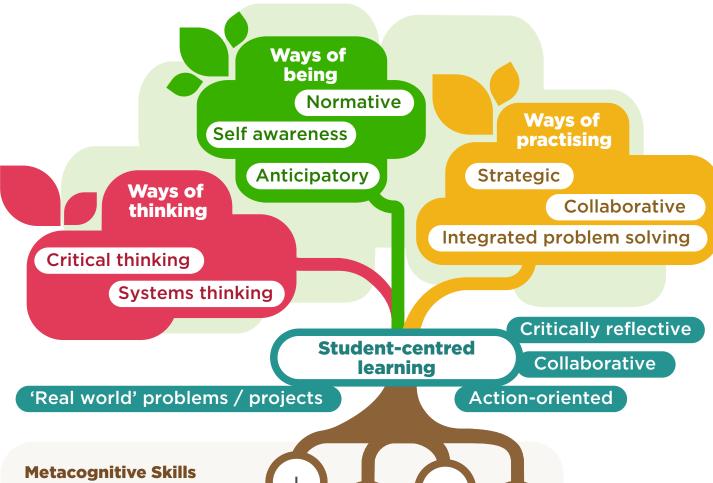
How we teach and learn



Education for Sustainable Development (ESD) advocates for the development of 'key competencies' or higher order thinking that prepare learners to tackle interconnected global challenges, integrating economic, social and environmental sustainability.

UNESCO Key Competencies for Engaging with ESD



Metacognition refers to knowledge, awareness and understanding of one's own thought processes and approaches to learning.

The Metacognition Design Framework is a learning design that scaffolds the development of higher order thinking in students through blended learning.

S E Introducina Enabling Evaluating Signposting

Guiding Sources

UNESCO 2017 - Education for Sustainable Development Goals: Learning Objectives

Advance HE - Essential Frameworks for Enhancing Student Success

UCD Centre for the Study of Higher Education: Metacognitive Learning Resource

Sustainable Development Goals



Educator roles to support competency development:

- · Adopt effective teaching and learning strategies such as metacognitive approaches
- · Globally inclusive and future-focused curricula
- · Co-create with students
- · Model collaboration
- · Connect ESD to employability, global citizenship, civic responsibility, & EDI
- · Evaluate education strategies

This work was developed as a part of the UCD Sustainability Seed Fund project How we teach and learn: Key competencies for engaging with Education for Sustainable Development (2025).

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