



Faculty Development Programme
PEDAGOGY AND TEACHING EXCELLENCE

Active & Cooperative Learning

Outcome-aligned • evidence-based • interactive

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Outcome → active method → assessment evidence

Outcome level	Suitable active method	Evidence to collect	Evidence base
Remember	retrieval quiz, flash recall, muddiest point	low-stakes quiz / exit ticket	High
Understand	think–pair–share, concept map, peer explanation	explain in own words	Moderate-High
Apply	worked example + practice, problem solving	new problem / calculation	High
Analyze	case comparison, data interpretation, error diagnosis	reasoned diagnosis	Moderate
Evaluate	debate, peer critique, decision memo	rubric-based justification	Moderate
Create	project, design challenge, research proposal	prototype / design report	Context-dependent

Evidence synthesis: Freeman et al., 2014; Dunlosky et al., 2013; Prince, 2004; Chi & Wylie, 2014.

Selected references

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