

Action research for professional learning

About this Illustration of Practice

Two teachers are trialing team teaching in a secondary science and mathematics environment. This trial is part of an ongoing program to improve teaching and learning at the school by adopting or dismissing various methods. The effect of team teaching on student learning outcomes is closely examined, particularly in the context of the formal action research group, which includes other colleagues. Student feedback is also sought and acted upon.



Standards

Standard 3

Plan for and implement effective teaching and learning

Focus area 3.6

Highly Accomplished

Evaluate and improve teaching programs

Descriptor: Work with colleagues to review current teaching and learning programs using student feedback, student assessment data, knowledge of curriculum and workplace practices.

Other descriptors

Standard 6

Engage in professional learning

Focus area 6.3

Highly Accomplished

Engage with colleagues and improve practice

Descriptor: Initiate and engage in professional discussions with colleagues in a range of forums to evaluate practice directed at improving professional knowledge and practice, and the educational outcomes of students.

Discussion questions

1. How might you and your colleagues complement each other's strengths through team teaching?
2. What strategies can you use to engage students in a robust curriculum?
3. What collegial activities might you engage in to evaluate teaching and learning practices?

Learning context

The Australian Science and Mathematics School has a specific focus on science and mathematics education, while at the same time embedding other curriculum areas such as the humanities into that learning. It is located on the Flinders University campus. The male teacher is the senior leader of STEM (Science, Technology, Engineering and Mathematics) learning. The female teacher is a science and mathematics teacher.

School context

[The Australian Science and Mathematics School \(ASMS\)](#)

South Australia

Year level: Year 10 Year 11 Year 12

Related subject: Mathematics Science

Stage of schooling: Secondary

School type: Government

School location: Metropolitan

[View school location in Google Maps](#)