



Facilitating Non-Routine Problems

Who should do this course?

This course is designed for teachers of Secondary Mathematics who are looking to enhance opportunities for students to use connections between mathematical concepts and solve challenging problems targeted to their students' ability levels.

What will happen on the course?

Participants will:

- Explore definitions of and learning opportunities that arise from engaging with non-routine problems
- Develop non-routine problems by first investigating the sample ideas provided in the NSW k-10 Mathematics Syllabus
- Compare responses to non-routine problems with the course performance descriptors and consider implications for assessment
- Create resources to support using non-routine problems either as in-class, formative assessment or as an investigation task

Why should I take this course?

Take this course to be able to confidently create, modify and implement non-routine problems in 7-10 mathematics classrooms, effectively engaging students in deep thinking about concepts. Leave this course with packages of pre-made problems edited from syllabus examples, including sample marking rubrics.

Dates of Course	Time	Location	Registration Closing Date
Term 1, 2026 Thursday 26 March	9am – 3:30pm (Sign in from 8:30am)	MANSW HQ Gateway Business Park, 77 - 79 Parramatta Road Silverwater	19 March 2026
Term 2, 2026 Friday 5 June			29 May 2026
Term 3, 2026 Tuesday 25 August			19 August 2026
Term 4, 2026 Thursday 19 November			13 November 2025
Registration Fee:	\$260 for Members	\$375 for Non-members	\$99 Student Members

Register online via the Professional Learning tab on the MANSW website(www.mansw.nsw.edu.au). Any questions regarding registration, please email events@mansw.nsw.edu.au

Not a Member of MANSW? Why not join and be part of the Mathematics Community?