



Vectors 101 (Online, self-paced course)

Who should do this course?

This course is designed for teachers of Stage 6 Mathematics Extension 1 and 2 who are somewhat unfamiliar with the fundamental concepts of vectors. The course also provides resources and guidance to teachers looking for the best ways to introduce vector concepts to students with a focus on understanding.

What will happen on the course?

Participants will:

- Engage with online interactives to explore the basic concepts of vectors
- Use directed numbers as 1-Dimensional vectors to introduce concepts that extend to 2- and 3-Dimensional vectors.
- Develop a deep understanding of vector concepts, including direction, magnitude, position and displacement vectors, parallel and perpendicular vectors as well as operations with vectors.
- Be given a package of online resources ready to use in the classroom.

Why should I take this course?

Take this course to learn about basic vector concepts so that you are ready to introduce them to students in a way that promotes deep understanding. This course will also position you to be ready to explore more advanced vector problem as seen in the HSC examinations.

Dates of Course	Time	Online	Registration Closing Date
Access from Monday 2 February until Friday 11 December 2026	Course takes approximately 4-5 hours	Online via the Open Learning Platform	30 November 2026
Registration Fee:	\$120 for Members	\$180 for Non-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?