

Guide to using the resources for the mathematics framework Years 1–8

The resources on the *Understanding the mathematics framework* webpage¹ are designed to help you develop your understanding of the mathematics framework. There are a variety of resources that you can use by yourself, with a small group of teachers, or within your school or Kāhui Ako.

For introductory information about the framework ...

1. Read the key messages about the framework on the webpage.
2. Watch the video *Understanding the mathematics framework*, which describes the purpose, design, and structure of the framework.
3. Watch the video *Michelle from Kairanga School describes the impact of the mathematics framework on teachers' knowledge*.

If you're looking for more detailed information about the framework ...

1. Watch the screencasts *How to navigate the mathematics framework* and *The components of a mathematics illustration* to help you find your way around the framework.
2. Read the case study *The impact of the mathematics framework at Lynmore School*.
3. Read the more info resource *A rationale for the eight aspects in the mathematics framework*.
4. Work through the PLD activity *Explore the mathematics framework and unpack some of the illustrations: years 1–8 focus* to get an understanding of how the signposts are constructed and how they align to levels of the New Zealand Curriculum.
5. Work through the PLD activity *Become an aspect expert for the mathematics framework* to develop a comprehensive understanding of a single aspect that you can then share with colleagues.
6. Note the more info resource *The big ideas of the mathematics framework*. This is a compilation of all of the big ideas associated with the signposts of the mathematics framework, which you may find useful as a reference.

If you want to explore how you might use the mathematics framework to guide your teaching and learning programme ...

1. Work through the PLD activity *Consider your classroom programme in relation to the mathematics framework* to see how you can use the framework to reflect on the

¹ <https://curriculumprogressstools.education.govt.nz/lpfs/understanding-the-mathematics-framework/>

extent to which your programme is providing opportunities for learning across all aspects of mathematics and statistics.

2. Work through the PLD activity *Planning opportunities to notice*. This supports teachers to consider the relationship between their planned programme and the framework and helps them identify activities/problems that provide rich opportunities to notice how students are achieving in relation to the framework.
3. Work through the PLD activity *Consider your long-term plan in relation to the mathematics framework (years 1–8)*. This supports teachers to check that they are comprehensively covering the learning area and that they have the information needed for reporting purposes.