

## Guide to using the resources for the mathematics framework Years 9–10

The resources on the *Understanding the mathematics framework* webpage<sup>1</sup> 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 videos of teachers talking about their experiences with the mathematics framework:
  - *Kris from Otago Girls' High School describes how the mathematics framework helped teachers in their department clarify expectations for student progress.*
  - *Jeanette from Otago Girls' High School describes how the framework supports teachers to focus on what learning is happening in the classroom.*
  - *Kris from Otago Girls' High School talks about the support that the frameworks can offer beginning teachers, and those that are not as familiar with the NZC.*

### 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 more info resource *A rationale for the eight aspects in the mathematics framework*.
3. Work through the PLD activity *Explore the mathematics framework and unpack some of the illustrations: years 7–10 focus* to get an understanding of how the signposts are constructed and how they align to levels of the New Zealand Curriculum.
4. 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.
5. 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.

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

## 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 *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.
2. Work through the PLD activity *Consider your long-term plan in relation to the mathematics framework (years 9–10)*. This supports teachers to check that they are comprehensively covering the learning area and that they have the information needed for reporting purposes.