

Further science curriculum and assessment resources

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There are a range of other resources that teachers and schools can access to support the teaching and learning of science.

Insights for Teachers NMSSA Science 2017

This report explores four practical insights of learning in science. It also considers what we can learn from the NMSSA results about the literacy and numeracy skills students need to engage with their science learning. It describes (page 6) the development of the NMSSA Science Capabilities Scale.

Science posters on NMSSA site

These posters have been developed for teachers and whānau to show student progress in science at Levels 1 & 2, Level 3, Level 4 and Above Level 4. They are based on science progressions in the "Rainbow diagram" (described on page 6 of the booklet Science in the New Zealand Curriculum Understanding progress from levels 2 to 4).

Supporting science teaching with new science reports from ERO

ERO has released a series of reports for kaiako, teachers, and leaders that identify where services and schools are doing well. These reports highlight opportunities to increase the impact of science teaching and learning. They provide practical guidance and inspiration through practice examples.

Science engagement survey

The Science engagement survey is a free online tool to help teachers find out how students perceive their science learning in class. There are two versions of the survey: one for Years 0 to 4 and one for Years 5 to 10.

Science Thinking with Evidence

Science Thinking with Evidence assesses how well students use evidence to think about scientific contexts and issues. It makes explicit links to the Nature of Science strand of the NZ curriculum and the key competency thinking. There are four tests, two for students in Years 7 & 8 and two for students in Years 9 & 10. Achievement on each test can be reported on a common measurement scale.

Assessment Resource Banks

The Assessment Resource Banks have developed a wide range of formative assessment resources at Levels 1 & 2, 3, 4 and 5 of the NZ Curriculum. This link will take you to Level 4 resources that include the science contextual strands Physical World, Material World, Living World, and Planet Earth and Beyond and the science capabilities Gather and interpret data, Use evidence, Critique evidence, Interpret representations and Engage in science: Level 4 resources. A further resource to help with understanding the science capabilities can be found here.

Other resources can be found here:

Science capabilities for citizenship
Science Learning Hub | Pokapū Akoranga Pūtaiao



New Zealand Government

Published on *Assessment Resource Banks* (<https://arbs.nzcer.org.nz>)