

re(Solve)

MATHS BY INQUIRY

reSolve: Maths by Inquiry

Promoting a spirit of inquiry in school mathematics

reSolve: Maths by Inquiry is a national project that provides Australian schools with resources to help students learn mathematics in an innovative and engaging way. It is led by a team of expert teachers and academics from around the country.

The *reSolve* vision

At the centre of *reSolve* is the *reSolve: Maths by Inquiry* Protocol. This sets out a vision for teaching and learning mathematics and underpins all aspects of the project. The protocol is organised around three focal points:

reSolve mathematics is purposeful.

reSolve mathematics is challenging yet accessible.

reSolve mathematics promotes a supportive knowledge-building culture.

The nuts and bolts

reSolve provides principals, teachers, schools and students with resources for professional learning and classroom teaching. It is based on relevant real-world examples to help students deal with complex situations using a variety of mathematical methods.

Its professional resources promote individual teacher learning and whole-school change, plus highlight all aspects of the *reSolve: Maths by Inquiry* Protocol. The resources support the Australian Institute for Teaching and School Leadership (AITSL) Australian Professional Standards for Teachers.

Its classroom resources exemplify the *reSolve: Maths by Inquiry* Protocol. These support the Australian Curriculum: Mathematics and include learning experiences for every year level from Foundation to Year 10, with a particular focus on understanding, reasoning and problem solving. They provide examples of how mathematics is used in everyday life and mathematical investigations and proof, while some capitalise on emerging technologies and mathematically able software. The classroom resources range from single lessons to substantial units of work.

Who's behind *reSolve*?

reSolve is a key programme under the Australian Government's Restoring the focus on STEM in schools initiative. It is managed by the Australian Academy of Science in collaboration with the Australian Association of Mathematics Teachers. The programme runs from November 2015 to June 2018, with resources becoming available from November 2016.

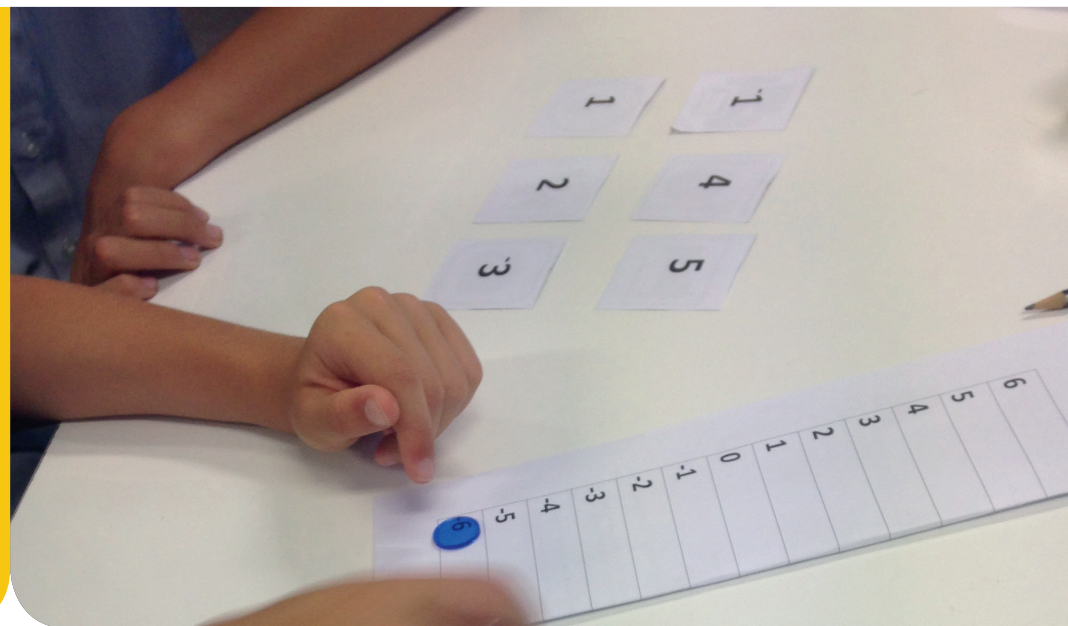
We're thrilled with the opportunity to continue partnering with the *reSolve* team and to trial new resources as they become available.

Sam Hardwicke

Year 5 and 6 Team Leader at Turner School

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reSolve will support collaborative actions in the National STEM School Education Strategy 2016-2026, endorsed by Australian Education Ministers in December 2015. The strategy aims to make sure all students finish school with strong mathematics knowledge and that they are inspired and equipped to take on more challenging STEM subjects at senior school, including intermediate and advanced mathematics.

reSolve: Maths by Inquiry is supported by the Australian Government Department of Education and Training.

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Curious to know more?

Contact the reSolve team, go to www.science.org.au/resolve or scan our QR code.



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Australian Academy of Science



Australian Association
of Mathematics Teachers

I liked the lesson because it was different to all the other ones. It was "funner". And the game was useful to me and helped me.

Year 6 Student

Amaroo School