

# re(Solve)

MATHS BY  
INQUIRY



# Overview of the reSolve: Mathematics by Inquiry Project



The reSolve Protocol is the driver for all that the project is about, and does.

In order to foster a spirit of inquiry in all mathematics teaching and learning:

- reSolve mathematics is *purposeful*
- reSolve tasks are *challenging yet accessible*
- reSolve classrooms have a *knowledge-building culture*

# Classroom Resources

Exemplary classroom resources at every level from Foundation to Year 10 that embody a spirit of inquiry and enact the reSolve Protocol.



**FOUNDATION - STRUCTURE OF NUMBER: HANDFULS (TRIAL)**

ACMNA001; ACMNA002; ACMNA003



**YEAR 5 MULTIPLICATION: RESOLVE BAKERY**

ACMNA100



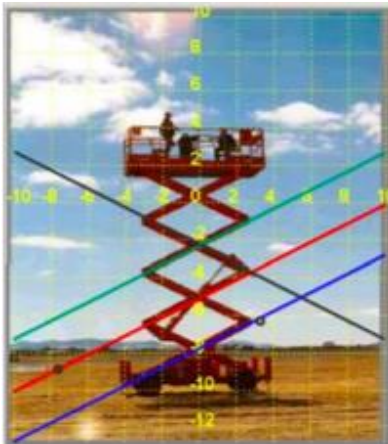
**YEAR 8 CIRCUMFERENCE**

ACMMG197

# Special Topics

Special Topics are significant resources that address the needs of 21st century learners.

Mechanical Linkages and Deductive Geometry	Bringing the Real World into Algebra	Modelling Motion	Bar Model Method
Assessing Reasoning	Mathematics and Algorithmic Thinking	Mathematical Modelling	Mathematical Inquiry into Authentic Problems



## Professional Learning Modules

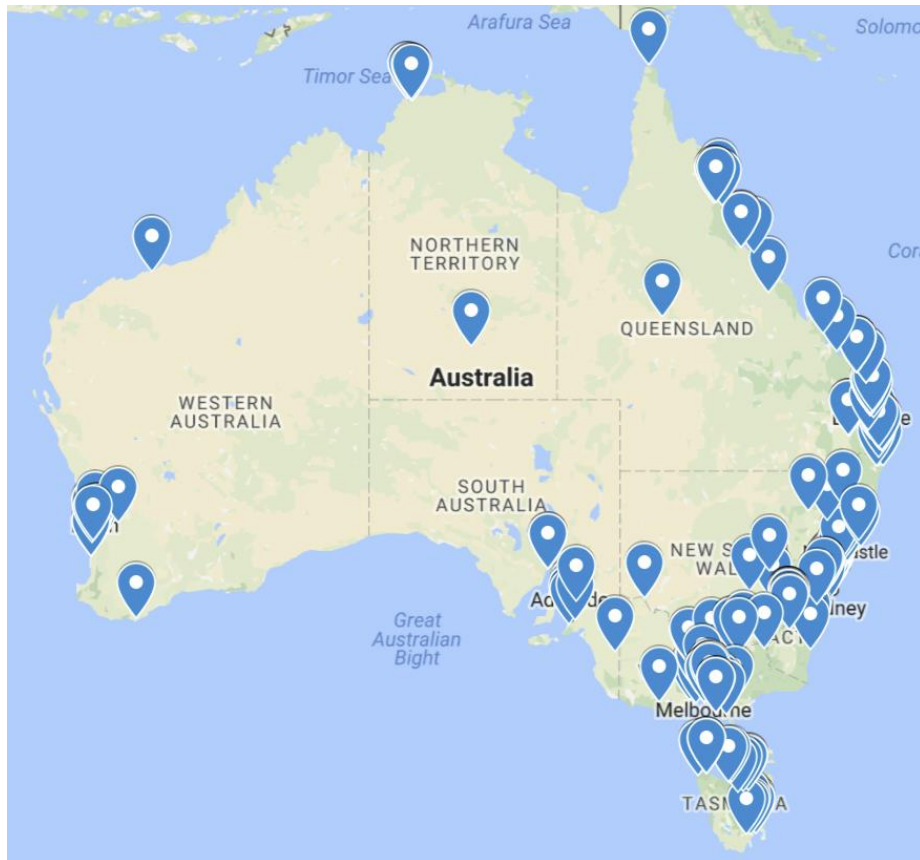
Resources to support in-school leaders to address key issues and themes in the teaching and learning of mathematics through collegial professional learning programs.

# Professional Learning Modules

Resources to support in-school leaders to address key issues and themes in the teaching and learning of mathematics.

<p>PLM 1: <i>reSolve: Mathematics by Inquiry</i> Introducing the reSolve Protocol and some of the resources</p>	<p>PLM 2: Mathematical purpose and potential</p>	<p>PLM 3: Including all students in mathematics learning experiences</p>	<p>PLM 4: The role of challenging mathematical experiences in activating thinking of all students.</p>
<p>PLM 5: Using student strategies and solutions as part of inquiry learning in mathematics</p>	<p>PLM 6: Leading the incorporation of inquiry approaches into mathematics teaching repertoires: A workshop for current and potential leaders</p>	<p>PLM 7: Activating mathematical thinking then consolidating learning</p>	<p>PLM 8: Adapting existing inquiry resources and creating your own</p>

## reSolve Champions



A community of more than 290 committed leaders across the country, who will use reSolve resources and approaches in professional learning programs they lead during and after the development phase of reSolve (finishes mid-2018).



# reSolve mathematics is purposeful



Emeritus Professor  
Kaye Stacey

[reSolve mathematics is purposeful](#)

reSolve tasks are challenging yet accessible



Dr Steve Thornton

reSolve tasks are challenging yet accessible

reSolve classrooms have a knowledge-building culture



Emeritus Professor  
Peter Sullivan

[reSolve classrooms have a knowledge-building culture](#)

reSolve mathematics is purposeful;  
reSolve tasks are challenging yet accessible; and  
reSolve classrooms have a knowledge building culture.

# Promoting a spirit of inquiry



## Leading reSolve Program

Become a Champion for reSolve. We are recruiting now.

[READ MORE](#)



## reSolve: Mathematics by Inquiry Protocol

At the centre of reSolve is the philosophy of Mathematics by Inquiry

[READ MORE](#)



## Trial resources for Foundation to Year 10

Sign up as member to trial new resources and give feedback.

[READ MORE](#)



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