

# Mathematics Education for Courage, Curiosity, and Creativity

Mathematician and educator **Dan Finkel**  
will be available for a workshop in Australia  
for teachers and educators  
**4 Dec - 22 Dec, 2017**



Can mathematics encourage students to become more *creative, courageous*, and *innovative*?

A different approach to mathematics in the classroom  
can inspire students with **playful math experiences** and **rich tasks**  
to become *problem solvers, question posers,*  
and genuine *mathematical thinkers*

*Learn how we can help the next generation  
fall in love with mathematics*

*contact [dan@mathforlove.com](mailto:dan@mathforlove.com) for  
details & costs for workshops in schools, classrooms, communities, and more*

*in Australia, 4 Dec - 22 Dec 2017*



math 4 love

# Potential Workshop Topics

## **Mathematical Openers**

Starting class with a 5 - 10 minute opener is a simple change, but can have profound consequences. Learn how Number Talks, Teacher-led games, Unit Chats, Counterexamples, and other routines can encourage students to begin thinking the moment they walk into the room.

## **Mathematical Games in the classroom**

Games in the classroom are a win-win proposition. They encourage a playful engaging experience with mathematical ideas, and can motivate skills practice and exploration of deeper concepts. Learn a range of ways to use games in the classroom, and explore a collection of games at the level of your students.

## **Rich Tasks and Transformative Mathematical Experience**

Beautiful mathematical experiences can change a student's life: once students see mathematics as a subject involving autonomy, creativity, and power, they (and you!) will never want to go back.

How do we make these experiences accessible to students? What does it take to make deep mathematical thinking a regular part of your classroom? In this workshop, we'll explore how rich tasks can create opportunities for authentic mathematical adventure; we'll even try some of our own!

## **Other Offerings**

- **Classroom demonstrations & coaching**
- **Parents Nights**
- **Curriculum enrichment**

# About Dan Finkel

Dan Finkel is the Founder and Director of Operations of Math for Love, a Seattle-based organization devoted to transforming how math is taught and learned. Dan works with schools, develops curriculum, leads teacher workshops, and gives talks on mathematics and education, including the 2015 TEDx talk [Five Principles of Extraordinary Math Teaching](#).

Together, Dan is one of the creators of *Prime Climb*, the beautiful, colorful mathematical board game, and of *Tiny Polka Dot*, a new math game for young children. Dan was a regular contributor to *The New York Times* Numberplay blog and host of Seattle's annual Julia Robinson Math Festival. He is one of the architects of Seattle Public School's Summer Staircase math program, which included 2000 students in 2016.

For more, see:

- [the TEDx Talk](#)
- [mathforlove.com](http://mathforlove.com)
- [primeclimbgame.com](http://primeclimbgame.com)
- [tinypolkadot.com](http://tinypolkadot.com)
- [Numberplay Puzzles](#)



# About Prime Climb

After a successful Kickstarter campaign in 2014, Math for Love produced *Prime Climb*, the beautiful colorful mathematical game. Since its launch, Prime Climb has sold tens of thousands of copies and been played in classrooms and homes worldwide.

Awards include:

- *Moms' Choice Award*
- *Academics' Choice Brain Toy Award Winner*
- *Tilling Toy Award Brain Child Award Winner*
- *Dr. Toy Ten Best Educational 2015*
- *Dr. Toy 100 Best 2015*
- *Parents' Choice Silver Award Winner*
- *Recommended by American MENSA*



# About Tiny Polka Dot

Launched in January, 2017, Tiny Polka Dot became the #1 new bestseller for Mathematics and Counting Toys on Amazon, and the winner of a Tilling Brain Child Award.

With 16 easy-to-learn games that playfully teach math, from counting & early numeracy to arithmetic & logic, Tiny Polka Dot is the perfect way to nurture your child's love of math: through play! Mathematician-designed and teacher-approved, Tiny Polka Dot is the playful way to fall in love with numbers.

