

MATHEMATICS RE-IMAGINED: SESSION OUTLINE

(Session 1) Mathematics re-imagined

“When will I ever use this?” is one of the most commonly voiced complaints in a maths classroom.

Most of the time you could translate this question as, “This is boring” or, “I want an excuse not to work”, however, those genuinely asking deserve an honest answer to this question.

This hands-on session will explore how celebrating the complete irrelevance of maths to our daily lives makes maths more useful, more enjoyable and paradoxically more relevant!

[Suggested pre-reading: A mathematician’s lament \(25 pages\)](#)

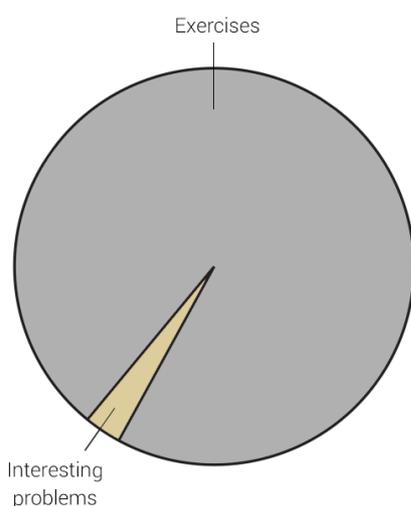
(Session 2) The textbook re-imagined

If you had to choose three words to describe your maths textbook, what would they be? What three words would your learners choose? Chances are these words would not be positive.

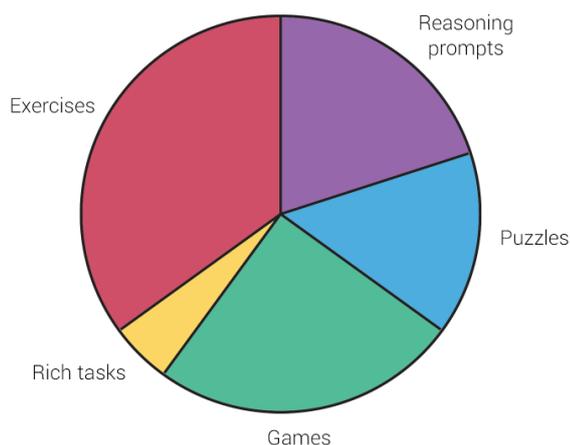
Textbooks have a profound influence on pedagogy, enjoyment and people’s understanding of what mathematics is. It’s easy to see why students describe maths as ‘boring, pointless and scary’ when they’re given a book full of repetitive low-level fluency work.

We’ve decided to re-imagine the textbook and design one that is fundamentally different.

Traditional maths textbooks



The textbook. Re-imagined

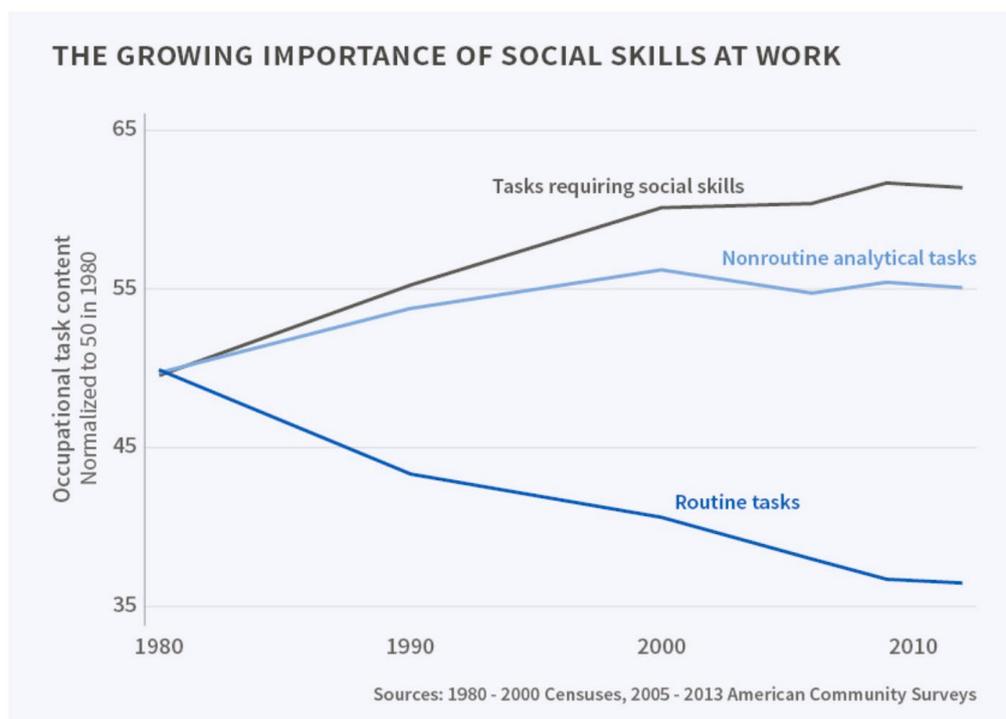


In this session we’ll explore practical activities designed to promote reasoning, curiosity and creativity. Learn to re-imagine how exercises are delivered to create open ended low-floor-high-ceiling tasks and engage with puzzles designed for applying learning in a novel context.

(Session 3) The classroom re-imagined

The way we work has changed forever. Today more than ever we can collaborate with people on the other side of the world to write music, build websites, design tee-shirts and advocate for change.

Developing 'soft skills' like teamwork, communication, conflict resolution, in conjunction with mathematical knowledge ensures our students don't end up like that brilliant university professor we all had but never understood.



This playful session will demonstrate how hands on games have the capacity to build mathematical skills and confidence and develop almost every 'personal and social capability' in the curriculum.

NOTE: Teachers may get competitive!



EVENT DETAILS

Friday, 20th of August, 9am – 3:30pm

MASA training room, Building D
80 Payneham Rd, Stepney

Cost \$125 (\$110 for MASA members).
Morning tea and lunch provided.