

# TEACHER STRATEGIES

## TEACHER STRATEGIES FOR MA

- ❖ Pre-assess students through formative assessment
- ❖ Provide targeted activities and exercises to reinforce basic mathematical competencies
- ❖ Apply strategies to regulate emotions around the math task
- ❖ Begin lessons at levels to encourage higher levels of success and positive experiences
- ❖ Teach students to understand by creating a comfortable learning environment and emphasizing positive experiences
- ❖ To decrease load on working memory:
  - ❖ Keep tasks instructions short and to the point, repeated as needed
  - ❖ Keep sentences short and redundant, using high familiar vocabulary
  - ❖ Use of external memory aids (useful spellings, number lines)
  - ❖ Chunk larger complex problems

Stop	Replace with
Frequent timed tests	Number Talks
Grades	Diagnostic feedback
Emphasizing Speed	Time to think slowly and deeply
Ability Grouping	Heterogeneous and flexible groupings

<https://bhi61nm2cr3mkgk1dtaov18-wpengine.netdna-ssl.com/wp-content/uploads/2017/03/The-Mathematics-of-Hope-5.pdf>

- ❖ Unit and objective pre-tests prior to tasks
- ❖ Math intervention programs
- ❖ Journaling - expressive writing for 10-15 minutes prior to math tasks/tests
- ❖ Emotional Regulation Practices
- ❖ Reframing techniques to change mindset
- ❖ Intentional practice of basic math skills
- ❖ Creating a collaborative work environment and opportunities to work with students in a small group setting
- ❖ using manipulatives to demonstrate concepts
- ❖ Learning style or strengths inventory to allow students to understand how they learn and how to learn best
- ❖ Maintaining an open communication with parents

Resources:

Youcubed Website

<https://www.youcubed.org/>

How Students Should be taught math

<https://bhi61nm2cr3mkdgl1dtaov18-wpengine.netdna-ssl.com/wp-content/uploads/2017/09/How-Students-Should-be-Taught-Mathematics.pdf>

Number Sense

<https://www.youcubed.org/resources/what-is-number-sense/>

Games to build math skills

<https://www.youcubed.org/resource/apps-games/>

Every day math

<http://everydaymath.uchicago.edu/teachers/>

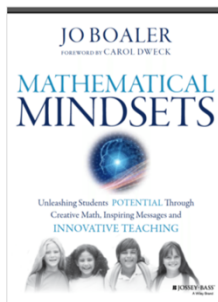
Self-Regulation

<https://self-reg.ca/parent-resources/>

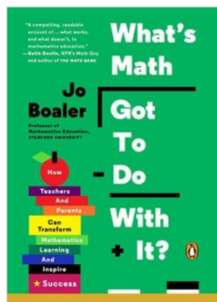
Teaching math videos

<https://www.youcubed.org/resource/teaching-videos/>

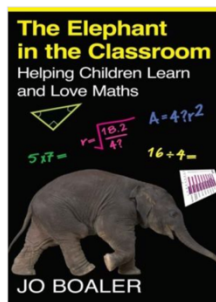
Books for number sense and mindset



**Mathematical Mindsets**  
Banish math anxiety and give students of all ages a clear roadmap to success! Mathematical Mindsets provides practical strategies and [...]



**What's Math Got To Do With It? Revised Edition**  
"Highly accessible and enjoyable for readers who love and loathe math." —Booklist A critical read for teachers and parents who [...]



**The Elephant in the Classroom**  
"Help children to learn to love the subject... Make mathematics more the mathematics that people need out there in the [...]"

<https://www.youcubed.org/resource/books/>

Together we can help children be successful in math.