

## Recommended Math Resources for Parents:

- 1) Read *Table Talk Math* by John Stevens (2017).
  - a. This is a great book to help you develop deeper math conversations at home with your children. Easy to read and highlights the “need to know.”
  - b. He also developed a placemat that is **perfect** for your kitchen table! Kids have so much fun writing on it and if you talk math with your children at home, it gives them a place to show their work to you!
  - c. <https://squareup.com/store/tabletalkmath>
  
- 2) Graham Fletcher, a math educator, has released videos that showcase progressions of mathematics. Progressions are trajectories that show what students should know and be able to do over time. These videos detail specific content students will learn in math from grades K – 5.
  - a. He has five videos right now on Early Counting, Addition & Subtraction, Multiplication, Division, and Fractions.
  - b. <https://gfletchy.com/progression-videos/>
  
- 3) Read *Old Dogs, New Math: Homework Help for Puzzled Parents* by Rob Eastaway and Mike Askew (2010).
  - a. This is a great read for parents (and teachers) of elementary students and is filled with games and information which can help you make sense of the math your kids are learning.
  - b. <http://www.olddogsnewmath.theexperimentpublishing.com/>
  
- 4) Twitter – it is a great place to learn from teachers and other parents. Even if you do not post, you should still make a Twitter account and follow the group called: Talking Math With Your Kids. Here’s how:
  - a. Go to: [www.twitter.com](http://www.twitter.com) and make an account.
  - b. Type in #tmwyk into the search bar.
  - c. Look at all the resources parents are posting!
  
- 5) Learn from Dr. Jo Boaler, a Stanford University Math Education Professor.
  - a. Founder of [www.youcubed.org](http://www.youcubed.org), Dr. Jo Boaler has revolutionized the way we view mathematics. She has uncovered through years of research that our mindsets can really influence how we perform in mathematics. She offers videos and articles on this site.
  - b. <https://www.youcubed.org/resource/parent-resources/>
  
- 6) DREME Network at Stanford University (Preschool – Grade 2)
  - a. DREME is the Development and Research in Early Math Education – Stay up to date with best practices to help your youngster at home.
  - b. <https://dreme.stanford.edu/projects/parent-and-early-caregiver-engagement-math>

## Recommended Math Resources for Children at Home:

- 1) Bedtime Math app on iPhones, Androids, & computers.
  - a. <http://bedtimemath.org/>
  - b. Bedtime Math is striving to help families introduce math as a fun part of their daily routine, as common and beloved as the bedtime story.
  - c. Within just one school year, kids who did Bedtime Math improved their math achievement on average by three months more than children who didn't. Better yet, kids of the most math-anxious parents who chose to do Bedtime Math had gains of **half a school year**.
  
- 2) Tiny Polka Dot – family fun board game! (ages 3-8)
  - a. <http://tinypolkadot.com/guide-for-grownups/> - You can buy the game here and also be sure to read through the Guide for Grown-Ups, as it walks you through the Progression of Counting and Arithmetic for kids and illustrates commonplace expectations of student learning in math.
  
- 3) Kakooma
  - a. <http://gregtangmath.com/kakooma>
  - b. Kakooma is available as an app on your phone, or can be played on the computer. This game is one of my absolute favorites and is something I play many nights before bed. It is both challenging and engaging and will improve your child's memorization of basic facts.
  
- 4) Albert's Insomnia
  - a. Available as an app "Albert's Counts" or you can order the deck of cards, rules, and scoring sheets for less than \$10 on Amazon.
  - b. This game is so much fun and gets kids developing deep understanding of order of operations, **without cutesy acronyms**, such as PEMDAS.
  - c. Average improvement for 3rd, 4<sup>th</sup>, and 5<sup>th</sup> grade students on standardized math exams reported are a 33% increase in percentage of students that "exceed the standard" and a 23% increase in **computational proficiency** (basic math facts) in just 2 weeks!
  
- 5) Prime Climb – family fun board game! (ages 10+)
  - a. <http://primeclimbgame.com/> - This game builds reasoning and thinking abilities through the use of prime numbers. Learn something new each time you play!
  
- 6) Dot O Wheel game
  - a. <http://dotowheel.com/>
  - b. Highly engaging game that helps students (and adults) become strong problem-solvers and mathematical thinkers through repeated experiences.