

## Episode 57: Big Ideas for Early and Elementary Math and Literacy

In this episode of the Leaders of Literacy podcast, Early and Elementary Learning Specialists Samantha Statler and Amber Meyers discuss the importance of number sense and how it can be tied back into literature in the classroom. Research by Dr. Doug Clements, who is an author of one of the resources used for this episode, has proven that it's important to help young children develop mathematical thinking and knowledge because it predicts later academic achievement better than early reading or attention skills.

The specialists are also joined by West Virginia educator, Janie Merendino, who shares about her experiences working in the primary classroom. She also gives insight to how she used mathematics and literature together in her instruction.

### What to Listen for:

- How can we incorporate mathematical thinking using literature in the classroom?
- What are some of the big ideas for math that these teachers should focus on?
- What does productive struggle and risk-taking look like in the classroom and how can we foster it using literature?

### Resources:

*10 things to know about math.* NAEYC. (n.d.). Retrieved June 3, 2022, from <https://www.naeyc.org/our-work/families/things-know-about-math>

*Preschoolers are natural mathematicians.* NAEYC. (n.d.). Retrieved June 3, 2022, from <https://www.naeyc.org/our-work/families/preschoolers-natural-mathematicians>

*Support math readiness through math talk.* NAEYC. (n.d.). Retrieved June 3, 2022, from <https://www.naeyc.org/our-work/families/support-math-readiness-through-math-talk>

*Early childhood math: Teaching math to children.* Erikson Institute. (2021, June 25). Retrieved June 3, 2022, from <https://www.erikson.edu/professional-development/early-math-collaborative/>

Chapin, S. H., O'Connor, M. C., & Anderson, N. C. (2003). *Classroom discussions: Using math talk to help students learn, grades 1-6.* Sausalito, CA: Math Solutions Publications.

Clements, D. (2009) *Learning and Teaching Early Math: The Learning Trajectory Approach*. New York: Routledge.

Uscianowski, C. & Ginsburg, H. (2019, May 30). 40 Children's Books That Foster a Love of Math. *Development and Research in Early Math Education*.

Retrieved from: <https://dreme.stanford.edu/news/children-s-books-foster-love-math>

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