



# Mathematics Worksheets Don't Grow Dendrites: 20 Numeracy Strategies That Engage the Brain, PreK-8

By Marcia L. Tate

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*Engage students in effective, meaningful experiences in mathematics!*

Following the format of Marcia L. Tate's previous bestsellers, this user-friendly guide offers math teachers 20 powerful, brain-based teaching strategies that incorporate visual, auditory, kinesthetic, and tactile modalities to promote student engagement and achievement. The book focuses on the NCTM focal points and includes a bibliography of math and literature resources and a lesson planning guide. The chapters offer:

- A what, why, and how for each strategy
- Specific brain-compatible mathematics activities and lessons from real teachers across the country
- Space for teachers to reflect on and apply individual strategies in their lessons

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### Editorial Review

#### Review

*"The author does a good job of describing the NCTM content standards and providing examples that incorporate recommendations from NCTM and other experts in the field on how best to deepen students' understanding of mathematics. The book covers all grades, thus enhancing its appeal to all mathematics teachers."* (Linda Kallam, Professor of Mathematics 2008-03-25)

*"A very useful resource for new and experienced teachers. The book will also equip administrators with strategies that they can model in staff meetings and with teachers."* (Pam Summers, K-12 Mathematics Coordinator 2008-03-25)

#### About the Author

**Marcia L. Tate, EdD**, is the former executive director of professional development for the DeKalb County School System, Decatur, Georgia and has been presenting to adult audiences for more than 25 years. During her 30-year career with the school district, she has been a classroom teacher, reading specialist, language arts coordinator, and staff development executive director. She received the Distinguished Staff Development Award for the State of Georgia, and her department was chosen to receive the Exemplary Program Award for the state.

Marcia is currently an educational consultant and has taught more than 400,000 administrators, teachers, parents, and business and community leaders throughout the world. She is the author of the following seven bestsellers: *Worksheets Don't Grow Dendrites: 20 Instructional Strategies that Engage the Brain*; *"Sit & Get" Won't Grow Dendrites: 20 Professional Learning Strategies That Engage the Adult Brain*; *Reading and Language Arts Worksheets Don't Grow Dendrites: 20 Literacy Strategies that Engage the Brain*; *Shouting Won't Grow Dendrites: 20 Techniques to Detour Around the Danger Zones*; *Mathematics Worksheets Don't Grow Dendrites: 20 Numeracy Strategies That Engage the Brain*; *Preparing Children for Success in School and in Life: 20 Ways to Increase Your Child's Brain Power*; and *Science Worksheets Don't Grow Dendrites: 20 Instructional Strategies That Engage the Brain*; as well as *Social Studies Worksheets Don't Grow Dendrites: 20 Instructional Strategies That Engage the Brain*. Participants in her workshops refer to them as "some of the best ones they have ever experienced" since Marcia uses the 20 strategies outlined in her books to actively engage her audiences.

Marcia received her bachelor's degree in psychology and elementary education from Spelman College in Atlanta, Georgia. She earned her master's degree in remedial reading from the University of Michigan, her specialist degree in educational leadership from Georgia State University, and her doctorate in educational leadership from Clark Atlanta University. Spelman College awarded her the Apple Award for excellence in the field of education.

Marcia is married to Tyrone Tate and is the proud mother of three children, Jennifer, Jessica, and Christopher, and is the doting grandmother of two granddaughters, Christian and Aidan Brooke, and three grandsons, Maxwell Connor, Aaron Bryan, and Roman Alexander.

## Users Review

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