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# Multiple Pathways to the Student Brain: Energizing and Enhancing Instruction

By Janet Zadina



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## Multiple Pathways to the Student Brain: Energizing and Enhancing Instruction By Janet Zadina

From an award-winning neuroscience researcher with twenty years of teaching experience, *Multiple Pathways to the Student Brain* uses educator-friendly language to explain how the brain learns. Steering clear of “neuro-myths,” Dr. Janet Zadina discusses multiple brain pathways for learning and provides practical advice for creating a brain-compatible classroom.

While there are an abundance of books and workshops that aim to integrate education and brain science, educators are seldom given concrete, actionable advice that makes a difference in the classroom. *Multiple Pathways to the Student Brain* bridges that divide by providing examples of strategies for day-to-day instruction aligned with the latest brain science. The book explains not only the sensory/motor pathways that are familiar to most educators (visual, auditory, and kinesthetic), it also explores the lesser known pathways--reward/survival, language, social, emotional, frontal lobe, and memory/attention--and how they can be tapped to energize and enhance instruction.

Educators are forever searching for new and improved ways to convey information and inspire curiosity, and research suggests that exploiting different pathways may have a major effect on learning. *Multiple Pathways to the Student Brain* allows readers to see brain science through the eyes of a teacher—and teaching through the eyes of a brain scientist.



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## **Multiple Pathways to the Student Brain: Energizing and Enhancing Instruction** By Janet Zadina **Bibliography**

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### Editorial Review

From the Back Cover

#### MULTIPLE PATHWAYS TO THE STUDENT BRAIN

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#### Praise for *Multiple Pathways to the Student Brain*

“Janet Zadina masterfully bridges the world of neuroscience and education. With this book, she provides educators with a toolbox of practical, scientifically supported ideas that can be used in the classroom immediately.”

—**Ursula Sohns**, Professor of Developmental Studies, Lone Star College-North Harris, Texas

“Finally, a book that integrates brain research and how to apply it with practical strategies to maximize student achievement! Janet Zadina’s chatty, conversational tone makes this a quick, easy read. It will be a resource I refer to often.”

—**Karen Solis**, K-12 ESL Teacher, Gastonia, NC

#### About the Author

**JANET N. ZADINA, PHD**, is an Assistant Professor in the Department of Neurology, Tulane University School of Medicine. A former classroom teacher, Dr. Zadina won the Society of Neuroscience’s 2011 Science Educator Award for her work training educators in brain processes.

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**Marla Mestas:**

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**Brent Cook:**

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**Lily Winstead:**

Multiple Pathways to the Student Brain: Energizing and Enhancing Instruction can be one of your beginning books that are good idea. We all recommend that straight away because this book has good vocabulary which could increase your knowledge in vocab, easy to understand, bit entertaining but still delivering the information. The copy writer giving his/her effort to put every word into joy arrangement in writing Multiple Pathways to the Student Brain: Energizing and Enhancing Instruction nevertheless doesn't forget the main place, giving the reader the hottest in addition to based confirm resource information that maybe you can be one among it. This great information may drawn you into new stage of crucial imagining.

**Michael Crew:**

Are you kind of occupied person, only have 10 or perhaps 15 minute in your morning to upgrading your mind proficiency or thinking skill perhaps analytical thinking? Then you have problem with the book when compared with can satisfy your limited time to read it because this all time you only find guide that need more time to be go through. Multiple Pathways to the Student Brain: Energizing and Enhancing Instruction can be your answer since it can be read by you who have those short free time problems.

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