

# From STEM To STEAM: Using Brain-Compatible Strategies To Integrate The Arts



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## Synopsis

Build the skills mathematicians and scientists need! A is for arts and for the advantage students gain when you integrate arts into STEM instruction. As research in neuroscience shows, arts activities enhance creativity, problem solving, memory systems, and analytical skills—all critical for achieving STEM success. Now best-selling author David Sousa teams up with veteran arts educator Tom Pilecki to bring you: Teacher-tested techniques for fitting the arts into STEM classrooms Sample lesson plans across K-12 A worksheet template for designing your own integrated lessons Tips for managing time and collaborating

## Book Information

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## Customer Reviews

"David Sousa's new book is more than hot; it is STEAMing! It is crammed full of suggestions to integrate arts into every STEM curricula at all grade levels to increase student learning. The research-based suggestions for strategies to engage students and deepen the level of thinking are abundantly supported with ideas for PLCs and a plethora of resources. Every teacher who is ready to update their pedagogy and make their teaching red hot needs this is the book!"--Renee Peoples, Teacher and Math Coach (10/18/2012)"STEM without creativity in application is stagnant. Brain research shows that we must rethink methodology in STEM education if we are to produce not only talented professionals, but also enriched members of society. From STEM to STEAM is a start in that direction."--Debra K. Las, Science Teacher (10/18/2012)"From STEM to STEAM is a game

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I am an art teacher, developing a paper on STEAM. This book was the most comprehensive source I found on the topic. I will refer to this book often. In addition to background on the topic it has lots of great ideas for interdisciplinary lessons.

I loved the brain studies and all of the other research cited. This book makes a great case for integrating the arts (and creativity in general) into the core curriculum.

I am totally impressed with this. I gave it to fellow child care workers and they also were impressed!

Great concept. Just too much reiteration of same point.

Great resources with a few examples of how to incorporate STEAM into lessons.

It was interesting and relevant with a similar message to Howard Gardner's work on multiple intelligences.

Happy to see multiple intelligences and Blooms taxonomy applied to cross curricular art integration.

This book is better suited for the classroom teacher trying to create arts integration into their classroom. As an art teacher, this doesn't give me the angle I'm looking for.

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