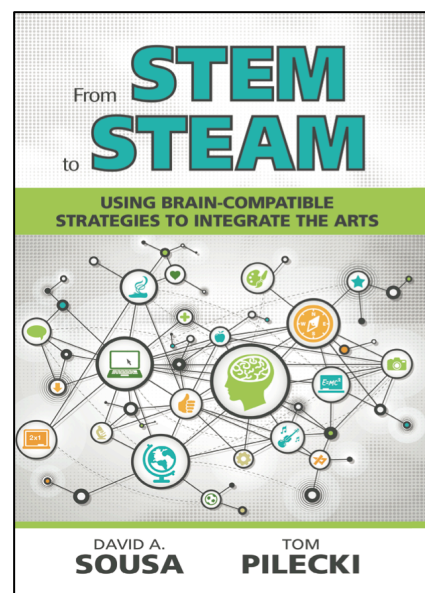


From STEM to STEAM: Using Brain-Compatible Strategies to Integrate the Arts

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Summary

A is for the arts – and for the advantage students gain when you integrate the arts into daily STEM instruction. As research in cognitive and social neuroscience shows, arts activities enhance creativity, problem solving, memory systems and analytical skills – all critical for achieving STEM success.

Now David A. Sousa, the best-selling author of *How the Brain Learns*, teams up with veteran arts educator Tom Pilecki to bring you

- details of brain research connecting STEM and the arts
- teacher-tested techniques for fitting the arts into STEM classrooms
- sample lesson plans across F–12
- a worksheet template for designing your own arts-integrated STEM lessons
- tips for managing time and collaborating
- real-life examples and anecdotes
- strategies for involving the whole school community in STEAM activities.

The main objective of both art and science is discovery. Help your students make that connection and STEAM on to academic success!

Other Resources

- *Exemplary STEM Programs: Designs for Success* (NST9112)
- *Doing Good Science in Middle School, Expanded 2nd Edition: A Practical STEM Guide* (NST9273)
- *STEM Student Research Handbook* (NST9334)
- *Gears: Science, Technology, Engineering & Mathematics Activities, Years F–2* (6110)
- *Gear Up! Science, Technology, Engineering & Mathematics Activities, Years 3–6* (6137)
- *Connecting STEM Careers to Social Networking Strategies* (IST0688)