



STEM Road Map: A Framework for Integrated STEM Education

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STEM Road Map: A Framework for Integrated STEM Education is the first resource to offer an integrated STEM curricula encompassing the entire K-12 spectrum, with complete grade-level learning based on a spiraled approach to building conceptual understanding. A team of over thirty STEM education professionals from across the U.S. collaborated on the important work of mapping out the Common Core standards in mathematics and English/language arts, the Next Generation Science Standards performance expectations, and the Framework for 21st Century Learning into a coordinated, integrated, STEM education curriculum map.

The book is structured in three main parts?Conceptualizing STEM, STEM Curriculum Maps, and Building Capacity for STEM?designed to build common understandings of integrated STEM, provide rich curriculum maps for implementing integrated STEM at the classroom level, and supports to enable systemic transformation to an integrated STEM approach. The STEM Road Map places the power into educators' hands to implement integrated STEM learning within their classrooms without the need for extensive resources, making it a reality for all students.

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Editorial Review

Review

"Classroom teachers will find valuable information as they peruse the information pertaining to their grade level in this 362 page reference book. The description of STEM Notebooks and how to use them in K–2 was one such piece of valuable information for me. As a classroom teacher, this is the kind of book best read in the summer when I have time to digest it and apply to my planning for the coming year."

Jeff Barger, NSTA Recommends

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