

Teaching STEM in the Early Years: Activities for Integrating Science, Technology, Engineering, and Mathematics (NONE)

By Sally Moomaw

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More than 85 activities that support and extend children's learning in the four STEM disciplines

Stimulate and engage children's thinking as you integrate STEM experiences throughout your classroom. These engaging, developmentally appropriate activities maximize children's learning in science, technology, engineering, and mathematics. Each experience combines at least two STEM disciplines and incorporates materials and situations that are interesting and meaningful to children. Use this book to discover the many possibilities for teaching STEM to young children, including ideas for

Learning centers

Cooking, art, music, block play, and sensory table activities

Outdoor time

Project-centered curriculum

Quick activities that require minimal preparation on your part

Field trips

With the growing focus on early childhood mathematics and science, this book is a much-needed resource for every early childhood classroom. It will encourage you to think differently about STEM education, and you will see how easy it is to accommodate curriculum goals and learning standards in math and science activities.

Sally Moomaw, EdD, is an assistant professor of early childhood education at the University of Cincinnati. She is the author of eight other Redleaf Press books and a frequent presenter at workshops and conferences across the country. Much of Dr. Moomaw's research and teaching is in the area of STEM education.

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Teaching STEM in the Early Years: Activities for Integrating Science, Technology, Engineering, and Mathematics (NONE) By Sally Moomaw Bibliography

- Rank: #98865 in Books
- Published on: 2013-03-19
- Original language: English
- Number of items: 1
- Dimensions: 11.00" h x 8.50" w x .50" l, 1.50 pounds
- Binding: Paperback
- 320 pages

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Editorial Review

Review

“A great resource for easing teachers into the world of STEM. Dr. Moomaw has assembled an easy to use guide for teachers to navigate the waters of integration based upon best practices and her many years of experience in this realm. A must have for all!”

—Dr. Carla C. Johnson, associate professor of science education, University of Cincinnati, and editor, *School Science and Mathematics Journal*

“Creative and innovative STEM learning centers. The clear visuals and comprehensive lesson overviews allow for seamless lesson creation and implementation.”

—Jaumall Davis, preschool intervention teacher, Cincinnati Public Schools

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About the Author

Sally Moomaw: Sally Moomaw, EdD, is an assistant professor in early childhood education and special education at the University of Cincinnati. Previously, she was a preschool teacher and the director for professional development at the University of Cincinnati's Arlitt Center. Dr. Moomaw holds a bachelor's degree in music, a master's in child development, and a doctorate in special education from the University of Cincinnati. She is the co-author of eleven books on early childhood education, including the *More Than...* series and *Lessons from Turtle Island*. She also designed a Mathematics Tool Kit for the Ohio Department of Education to help teachers implement state content standards and has presented numerous workshops for colleges, school districts, and conferences throughout the country.

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