natural resources

Resources for Science, Technology, Engineering, & Math (STEM) Learning

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STEMIE (STEM Innovation for Inclusion in Early Education Center)

The STEMIE website is designed to cultivate STEM learning opportunities for all young children throughout their daily routines and activities. Here are some of the resources that are available at **https://stemie.fpg.unc.edu/**

- The STEMIE Learning Trajectories site offers a treasure trove of resources to support developmental progressions in science, technology (computational thinking), and engineering. You'll find investigations, early intervention activities, and adaptation strategies at **https://stemielearningtrajectories.fpg.unc.edu/**
- Storybook Conversation Guides, which offers ideas for connecting language, literacy, and STEM through the thoughtful use of children's books, are at **https://stemielearningtrajectories.fpg.unc.edu/activites/?_everyday_stem=storybook-conversations**
- Opportunities for supporting everyday STEM learning within daily routines may be found at **https://stemielearningtrajectories.fpg.unc.edu/activites/?_everyday_stem=discovery-play-activities** and **https://stemielearningtrajectories.fpg.unc.edu/activites/?_everyday_stem=daily-routines-explorations**
- Sign up for the monthly STEMIE newsletter at **https://stemie.fpg.unc.edu/news-items/subscribe-to-our-newsletter/**

Bang! Squish! Leap! Supporting the A in STEAM with Infants and Toddlers

Just like science, technology, engineering, and math, engaging with the arts involves creativity, problem-solving, and structured exploration. Discover strategies for scaffolding and supporting infant/toddler learning and development through the arts in this archived webinar: **https://headstart.gov/video/bang-squish-leap-supporting-steam-infants-toddlers?redirect=eclkc**

New, Free Science, Technology, Engineering, and Math (STEM) Resource for Families and Professionals

ZERO TO THREE recently announced Problem Solvers, a free, 44-unit early STEM curriculum with activities designed for children aged 2 ½ to 4 years of age. Each activity includes fun, age-appropriate STEM learning experiences, book suggestions and literacy activities that nurture STEM concepts, parent-child STEM play suggestions in English and Spanish, and more. Download the entire curriculum at **www.zerotothree.org/ProblemSolvers**

Engaging Children in STEM

The Resources for Early Learning website, which provides learning resources and opportunities for educators, families, and caregivers, has a section devoted to STEM learning. Visit the site to find videos, activities, and other resources, all of which are connected to state and national frameworks.
http://resourcesforearlylearning.org/educators/module/20/16/85/

Early Math Collaborative

Interested in free videos, professional learning modules, and ideas to support early math learning? Check out the Early Math Collaborative. Don't miss the opportunity to browse the Idea Library in which they've collected, categorized, and curated the best resources for early math thinking and teaching. **https://earlymath.erikson.edu/**

GUMDROP: Want Scientifically Literate Children?

Enjoy Neil deGrasse Tyson's guidance on how to get children interested in STEM. **https://youtu.be/AIEJjpVlZu0?t=44**

Natural Resources is a free, one-way listserv that is distributed monthly. Each issue features readily available and free resources on a specific topic related to children from birth through 8 and their families. Resources in Spanish are highlighted. Natural Resources is compiled and distributed by Camille Catlett. Past issues are archived at **https://scriptnc.fpg.unc.edu/natural-resources-monthly-newsletter** To subscribe or unsubscribe, suggest resources, or get more information, please contact Camille Catlett at **camille.catlett@unc.edu**