



Engaging Young Engineers: Teaching Problem Solving Skills Through Stem (Hardback)

By Angela Stone-MacDonald, Anne Douglass, Mary Lu Love

Brookes Publishing Co, United States, 2015. Hardback. Book Condition: New. 272 x 211 mm. Language: English . Brand New Book. Help young children develop problem-solving skills, and you'll boost their kindergarten readiness and set them up for long-term success in STEM subjects. In this timely and practical book, you'll discover how to support the problem-solving skills of all young children by teaching them basic practices of engineering and five types of critical thinking skills (Curiosity, Persistence, Flexibility, Reflection, and Collaboration)-- AND discover how to sharpen all these skills as a teacher! Using a clear instructional framework and fun activities tailored for infants, toddlers, and preschoolers, you'll help children birth to 5 explore big ideas and develop new ways of thinking through engaging and challenging learning experiences. A must for teachers in inclusive early education classrooms, this comprehensive guide is your key to teaching the 21st-century skills children need for STEM learning and school success. Demystify and teach key engineering practices . Prepare kids for success in all STEM areas by teaching four essential engineering principles: think about it, try it, fix it, and share it. Boost problem-solving skills with proven activities . All the suggested activities have been piloted and tested...

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