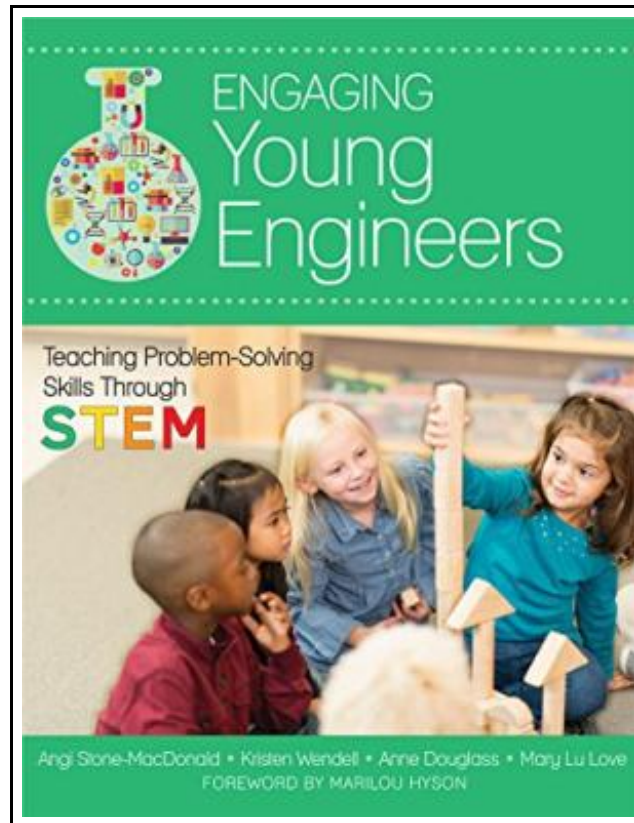# Engaging Young Engineers: Teaching Problem Solving Skills Through Stem (Hardback)

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Reviews

A fresh e-book with a brand new point of view. It really is packed with knowledge and wisdom Its been designed in an exceedingly simple way and is particularly simply following i finished reading this publication through which actually modified me, alter the way i really believe.
(Bernhard Russel)

ENGAGING YOUNG ENGINEERS: TEACHING PROBLEM SOLVING SKILLS THROUGH STEM (HARDBACK)

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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 youll boost their kindergarten readiness and set them up for long-term success in STEM subjects. In this timely and practical book, youll discover how to support the problem-solving skills of all young children by teaching thembasic 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, youll 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 in classrooms and incorporate teacher feedback. Plan effective lessons for all children . Discover how to use universal design for learning (UDL) to plan lessons that work for children with and without disabilities. Start the learning early . Help even the youngest children develop problem-solving skills with activities tailored for infants, toddlers, and preschoolers. Encourage language and literacy development . Get suggestions for weaving reading into problem-solving experiences, and discover how your use of language can prompt childrens thinking skills. Promote other skills needed for school success. With the framework and activities in this book, youll also support development of...

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