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Science Experiences for the Early Childhood Years: An Integrated Affective Approach

By Jean D. Harlan, Mary S. Rivkin

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Start by marking "Science Experiences for the Early Childhood Years: An Integrated Affective Approach" as Want to Read: Want to Read savingâ€¦| Want to Read. A core text for Science in Early Childhood courses at the 2-year or 4-year level for those who will teach young children in preschool or in the primary grades. A classic in the field, this text takes an integrated approach to science without watering it down, and emphasizes understanding and addressing children's affective nature. It remains a forward-thinking, innovative A core text for Science in Early Childhood courses at the 2-year or 4-year level for those who will teach young children in preschool or in the primary grades. Moreover, mathematical modelling integrated with dynamic GeoGebra application was effective in improving students' self-efficacy in mathematics. As have been shown, meaningful hands-on STEM experiences for early childhood and elementary school-age children positively affect their perceptions and dispositions towards STEM [1][2][3], when these activities are integrated [4,5]. To reach this integration, two methodologies, inquiry teaching and engineering design, seem to be appropriate to intertwine the different fields in STEM. through real world problems. Implementation of an Integrated STEM Activity in Pre-primary Schools. Chapter. Jan 2021. We find that the early years provide an exceptional opportunity to introduce STEM The Benefits of Early Years Science Education. Providing opportunities for scientific discovery in early years settings is beneficial to young children in several ways: 1. It can foster a lifelong love of science. Children are programmed to explore and experiment right from the start, even as babies. Child-led discovery activities are a great way to encourage scientific curiosity. Offer active, fun, hands-on experiences: most young children love physical exploration "the messier the better" so if you can tap into this, their favoured learning style, youâ€™ll find it much easier to engage them and maintain their interest. Keep activities short and varied, and always make sure that there is plenty of opportunity for active, first-hand involvement for everyone.