



Elementary Robotics: Sustaining the Natural Engineering Instincts of Children (Paperback)

By John Stephen Heffernan

Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Toddlers, preschoolers, and kindergarteners are natural engineers. They love sand castles, blocks, fairy houses, and other projects that support their creative, fantasy play. We support this natural engineering instinct in preschool and kindergarten classrooms with blocks, LEGOs, sand and water tables, and other activities. As students reach first grade and beyond, we remove all these activities from school. Yet we still expect them be interested in engineering when they get to high school and college. The Elementary Engineering Curriculum (EEC), described in this book, supports students natural engineering interests all through elementary school. The EEC delivers a preschool to grade six engineering experience based on BeeBot, and LEGO WeDo, NXT, and EV3 robotics. Each year, students have at least one robotics unit. In grades K, two, three, four, six, students also have an open ended engineering challenge. The EEC explicitly teaches the engineering design process in an age appropriate way. Robotics provides very high interest, motivating, and deep learning experience for students. This book contains rationale, descriptions, research, and teaching tips on elementary robotics as well as complete...



READ ONLINE
[8.17 MB]

Reviews

It is really an incredible ebook that we have actually go through. I actually have go through and i also am sure that i am going to likely to read again again in the foreseeable future. Your way of life period will be convert the instant you complete reading this article pdf.

-- **Prof. Adrain Rice**

The book is fantastic and great. It is rally exciting throgh looking at period of time. Your way of life period will likely be change when you full reading this publication.

-- **Elijah Kuphal**

See Also



Odes Funebres, S.112: Study Score (Paperback)

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Liszt composed three Odes funebres between 1860 and 1866, shortly in the wake of his first 12 tone...



Dances Sacree Et Profane, CD 113: Study Score (Paperback)

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Debussy composed his concertante masterwork on commission from Pleyel for a competition held at the Brussels conservatoire featuring...



5 Mystical Songs: Vocal Score (Paperback)

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Vaughan Williams setting of four poems from George Herbert s 1633 collection, The Temple: Sacred Poems was done...



Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. Mark Smith (illustrator). 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.A #1 Best Selling Children s Book Is Now A Coloring Book! Parents and...



Flappy the Frog: Stories, Games, Jokes, and More! (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Are you looking for a kid s or children s book that is highly entertaining, great for early readers, and...



Hoppy the Happy Frog: Short Stories, Games, Jokes, and More! (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Are you looking for a kid s or children s book that is highly entertaining, great for early readers, and...