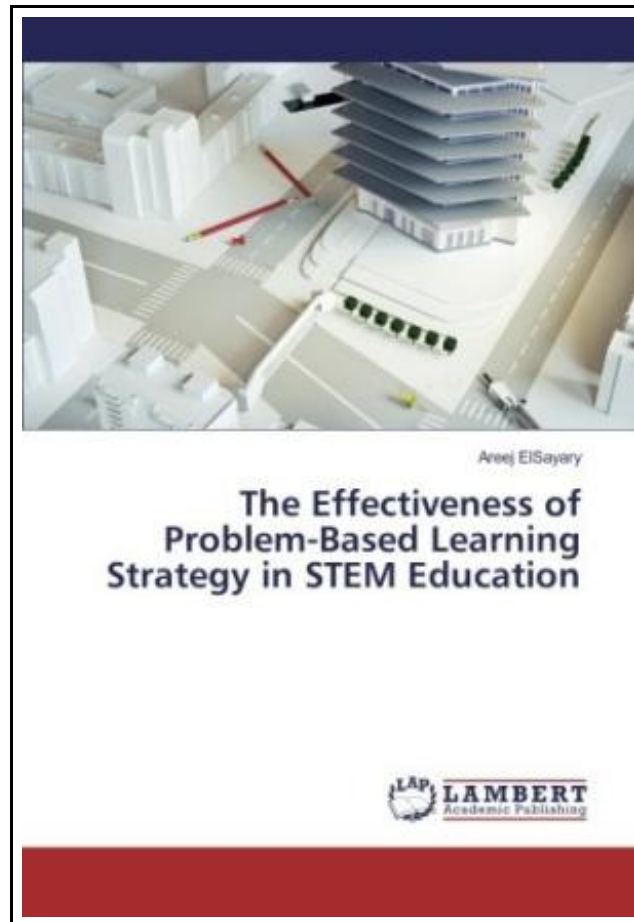


# The Effectiveness of Problem-Based Learning Strategy in STEM Education



Filesize: 5.28 MB

## ***Reviews***



*The book is simple in read through safer to understand. I could comprehended everything out of this published e pdf. I discovered this book from my i and dad advised this pdf to learn.*

***(Maud Kulas I)***

## THE EFFECTIVENESS OF PROBLEM-BASED LEARNING STRATEGY IN STEM EDUCATION



LAP Lambert Academic Publishing Jun 2016, 2016. Taschenbuch. Book Condition: Neu. 220x150x8 mm. This item is printed on demand - Print on Demand Neuware - The STEM education is one of the new reforms in the science education that enhances students' scientific and cognitive skills. STEM education is best taught through problem based learning strategies as there are three types of learning that cut across the PBL; cognitive learning, content learning, and collaborative learning. These three types of learning set as a conceptual framework that has guided this study. The main purpose of this study is to measure to what extent using the PBL strategy in STEM education enhances students' development of the 21st century skills :cognitive skills, collaborative skills, and content knowledge The participants of the study comprised two groups: 112 teachers and 1800 grade eleven students selected from seven schools around UAE. A mixed-method design has been used in this study using multiple tools. A teachers' questionnaire that included open and closed-ended questions was administered. The students' achievements have been measured qualitatively using rubrics and quantitatively by collecting students' scores from the Robotics module. In addition, students' perceptions were also measured using a closed question survey. 132 pp. Englisch.

 [Read The Effectiveness of Problem-Based Learning Strategy in STEM Education Online](#)  
 [Download PDF The Effectiveness of Problem-Based Learning Strategy in STEM Education](#)

## You May Also Like



### **Psychologisches Testverfahren**

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Save ePub »](#)



### **Programming in D**

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Save ePub »](#)



### **TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save ePub »](#)



### **TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save ePub »](#)



### **The Mystery of the Onion Domes Russia Around the World in 80 Mysteries**

Carole Marsh Mysteries. Paperback. Book Condition: New. Paperback. 133 pages. Dimensions: 7.5in. x 5.3in. x 0.4in.When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are...

[Save ePub »](#)



**YJ] New primary school language learning counseling language book of knowledge [Genuine Specials(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2011-03-01 Pages: 752 Publisher: Jilin University Shop Books All the new

[Save PDF »](#)



**The Official eBay Guide: To Buying, Selling and Collecting Just About Everything**

Simon & Schuster Ltd. Paperback. Book Condition: new. BRAND NEW, The Official eBay Guide: To Buying, Selling and Collecting Just About Everything, Laura Fisher Kaiser, Michael Kaiser, Omidyar, Pierre, HAPPY HUNTING(TM) ON eBay Aunt Fannie's

[Save PDF »](#)



**Programming in D: Tutorial and Reference (Paperback)**

Ali Cehreli, 2015. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The main aim of this book is to teach D to readers who are

[Save PDF »](#)



**The World is the Home of Love and Death**

Metropolitan Books. Hardcover. Book Condition: New. 0805055134 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy-

[Save PDF »](#)



**Peppa Pig: School Bus Trip - Read it Yourself with Ladybird**

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Peppa Pig: School Bus Trip - Read it Yourself with Ladybird, Peppa and her friends are going on a school bus trip. What adventures will they

[Save PDF »](#)