

# BALTIMORE COUNTY PUBLIC SCHOOLS

DIVISION OF BUSINESS SERVICES  
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DEPARTMENT OF FISCAL SERVICES

OFFICE OF PURCHASING  
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## PUBLIC NOTICE

### *Engineering Is Elementary Review* **RG-126-12**

In accordance with Board of Education Policy and Superintendents Rule 6002, the Board of Education of Baltimore County and the Department of STEM invites the public to review the Engineering Is Elementary program that will be used to introduce engineering to students in conjunction with the existing science curriculum in elementary schools.

The *Engineering is Elementary* (EiE) curricular program was developed by the Museum of Science in Boston, Massachusetts. This program integrates engineering with elementary science topics. Within this integration, students also make connections with literacy, social studies, and mathematics. The primary goals of the EiE program are to increase student technological literacy and to increase elementary educators' abilities to teach engineering concepts to their students. Through the integration of problem solving skills, students design, test, and redesign solutions to engineering challenges. Throughout the program, students are exposed to many types of engineering including industrial, agricultural, mechanical, environmental, civil, acoustical, electrical, chemical, geotechnical, and transportation. Each unit in the EiE program follows a similar format. Within each unit, students read about a child (typically from a culture other than their own) that is presented with a real-world problem. This problem is addressed through a relationship that is established between an engineer and the main character of the story. Students become engaged in the solution to the problem through hands-on, minds-on opportunities. They are guided through the design process (ask, imagine, plan, create, improve) in each of the units in the EiE program as they work to assist the story character as he/she works to solve the problem presented in the literature.

This curriculum will be on display for public review outside of Room 114 from 8:00 am until 4:30 pm in the ESS Building at 6911 Charles Street, Towson, MD beginning January 10, 2012 through February 10, 2012. Any citizen who is concerned about an item shall fill out a [Request for Reconsideration](#) form in accordance with Superintendents Rule 6002. The form shall be submitted to the Division of Curriculum and Instruction. The Division will forward the form to the office designated on the form. Please feel free to contact the individuals listed below with questions regarding these curriculum materials:

John Quinn Executive Director Department of STEM 9611 Pulaski Park Drive Suite 307 410-887-4471 <a href="mailto:jquinn3@bcps.org">jquinn3@bcps.org</a>	Eric Cromwell Elementary Coordinator Office of Science PreK-12 9611 Pulaski Park Drive Suite 307 410-887-4251 <a href="mailto:ecromwell@bcps.org">ecromwell@bcps.org</a>
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Procurement questions can be emailed to Richard Gay, Purchasing Manager at [rgay@bcps.org](mailto:rgay@bcps.org) or they may be faxed to his attention at 410-887-7831. Verbal questions will not be taken. This textbook will be submitted for approval by the Board of Education on or after March 13, 2012.

By Order of the Board of Education of Baltimore County  
Richard Gay, CPPO, RSBO, Manager, Office of Purchasing