

HJR 25



Science, Math, and Technology
Education in the Commonwealth

2007 Interim

Purpose

- ▣ Study science, math, and technology education in the Commonwealth at the elementary, secondary, and undergraduate levels.
- ▣ Study ways to provide incentives for students to pursue careers in science, math, and technology related fields.

Requirements

1. Review the curriculum of existing public schools in the Commonwealth, including Governor's Schools.
2. Study accessibility to specialized public schools by students throughout the Commonwealth;
3. Examine SOLs to ensure students are provided with the fundamentals necessary to succeed at the college level;
4. Review and recommend innovative ways to interest students in science, math, and technology;
5. Examine potential partnerships between public schools and business and research entities in the Commonwealth.

2006 Summary: August 1

- ▣ James Firebaugh, Office of Middle School Instruction, DOE
- ▣ Elizabeth Russell, Director of Career and Technical Education, DOE.
- ▣ Dr. Daniel LaVista, Executive Director, SCHEV
- ▣ Dr. Monty Sullivan, VCCS
- ▣ Kathleen Stansbury, President, Virginia Technology Education Association

2006 Summary: October 10

- Marcia Hickey, Adjunct Instructor, JMU
- Kathleen Stansbury, President, Virginia Technology Education Association
- George Wilcox Career Cluster Coordinator for DOE Career and Technical Education
- Linda Cauley, Director, Shenandoah Valley Governor's School
- Dr. Daniel LaVista, Executive Director, SCHEV

2006 Summary: October 25

- Dr. Evan Glazer, Principal, Thomas Jefferson High School for Science and Technology.
- Student/Faculty Panel

2006 Summary: December 4

- James Firebaugh, Office of Middle School Instruction, DOE
- Dr. Sue Magliaro, Director, Virginia Tech School of Education
- Todd House, Government Affairs Manager, Micron Technology
- Terry Leslie, University and Academic Relations Manager, Micron Technology

Housekeeping

- ▣ Maximum of four meetings for 2007 interim.
- ▣ All meetings must be completed by November 30, 2007.
- ▣ Final Report completed before January 10th 2008.

2007 Legislative Update (Federal)

- America COMPETES Act (S.761)
 - Passed Senate on 4/25/07
 - Implements recommendation from “Rising Above the Gathering Storm” Report
 - Act focuses on three primary areas:
 1. Increasing research investment
 2. Strengthening educational opportunities in science, technology, engineering, and mathematics and
 3. Developing an innovation infrastructure

2007 Legislative Update (Federal)

- 10,000 Teachers, 10,000,000 Minds Act (HR. 362)
 - Passed House on 4/24/07
 - Implements K-12 science education recommendations of the *"Rising Above the Gathering Storm"* Report
 - Establishes a teacher education program at the National Science Foundation (NSF) and provides scholarships to science, math and engineering students who commit to become science or math teachers at elementary and secondary schools
 - Authorizes summer teacher training institutes at NSF and DOE.
 - Requires that NSF include support for master's degree programs for in-service science and mathematics teachers within the NSF Math and Science Partnerships

Legislative Update



2007 Session of the General Assembly

1. HJR 611 Science and Technology Education in Business, Law, and Policy Graduate Programs
2. HB 1681 Two-Year College Transfer Grant Program
3. HB 2039 Technical Diploma

Questions?



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