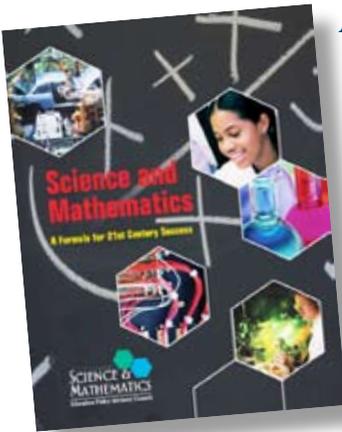


Looking At The ISSUES

April 27, 2007



A Call for Improving Ohio's P-16 Education System in Math and Science

"Ohio's future will be defined by its citizens' ability to think for a living."

The recent release of *Science and Mathematics: A Formula for Success in the 21st Century!* should come as no surprise to anyone who has followed Ohio's economic ups and downs. What is significant is that the report underscores a growing P-16 way of thinking.

Created by the Ohio Board of Regents, Ohio Department of Education and Governor's Office, the Science and Mathematics Education Policy Advisory Council issued the report. The Council's charge was to "develop findings and make policy recommendations to the Governor, to the Chancellor of the Board of Regents, and to the State Superintendent of Public Instruction respecting improvements in the P-16+ education system for mathematics and science education".

Co-chaired by Julian M. Earls, retired director of the NASA Glenn Research Center and Karen A. Holbrook, president of Ohio State University, the council of 23 Ohioans from business and education issued 13 recommendations surrounding five strategies:

- Building Public Awareness and Understanding of the Importance of Science and Mathematics. Expand Ohioans' awareness and understanding of the importance of mathematics and science to their success in the 21st century workplace, and to the state's future economic prosperity.
- More Students Who Master High-Level Science and Mathematics and Pursue STEM-Related Careers. Increase the number of students who take challenging courses and who master high-level mathematics and science subjects, and pursue STEM (science, technology, engineering and mathematics) careers.

Take A LOOK

Timken Career Video

The Timken Company has produced a new video which shows students they can have an impact on the world through a career in manufacturing. The Career Day video can be found at: <http://www.timken.com/careers/>



- High-Quality Science and Mathematics Teachers and Instruction. Change the ways mathematics and science teachers are recruited, prepared, retained and developed throughout their careers to ensure that every Ohio student has teachers who know their subjects and how to teach them, as well as teachers who care about their students and are committed to their success.
- Increased Collaboration between Postsecondary Programs and Business. Build partnerships that allow postsecondary instructional and research programs and the business sector to join in collaborative efforts to improve students' STEM-career opportunities, and improve the education community's ability to meet the workforce needs of Ohio's technology- and innovation driven businesses.
- Greater State Capacity to Improve Science and Mathematics Education. Acknowledging that local action will be required to ensure that all students have opportunities to acquire the high-level mathematics and science knowledge and skills, the council calls for changes – including the creation of the Institute for Mathematics and Science Education (IMSE) – that will enhance the state's capacity to drive improvement in mathematics and science learning, and to fuel economic growth.

¹ The full report and executive summary are available at www.regents.ohio.gov/samepac

Looking At The Week

Joe Rochford and representatives from McKinley High School and Canton's Early College High School attended the KnowledgeWorks Foundation's 2007 Annual Leadership Institute *Results: The Fourth "R"* – a three day conference that was held in Aurora on April 26th-28th.

Joe Rochford attended Education Committee meetings at the Canton Regional Chamber of Commerce this week. Featured was Stark County's growing Tech Prep program and Northeast Ohio's MAGNET initiative.

