

Board of Trustees Long-Range Planning Committee Meeting University Center - UC 206 Thursday, 3/5/2009 8:30 to 9:30 am CT

1. REPORT FROM THE POTT COLLEGE OF SCIENCE AND ENGINEERING

Scott Gordon, dean of the Pott College of Science and Engineering, will present a report on the Southwest Indiana STEM (Science Technology Engineering Math) Resource Center (SwISTEM).

0309 LRP SwISTEM Presentation - Page 2



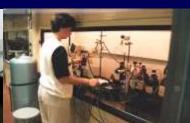




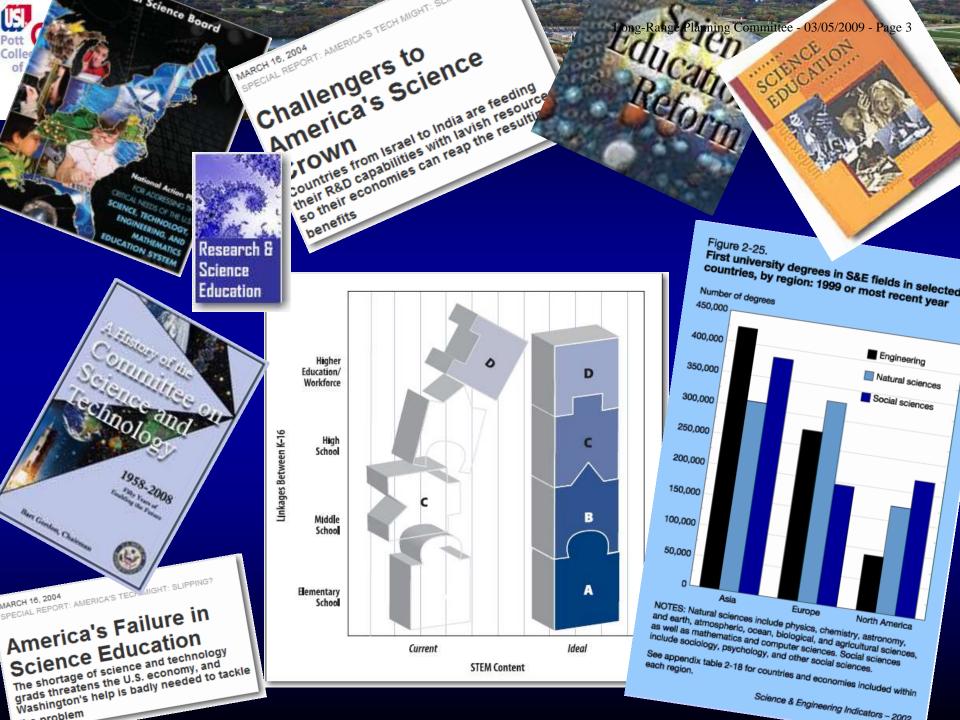
Biology | Chemistry | Geology and Physics | Engineering | Mathematics

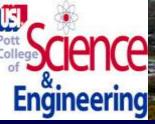














Background

2006

Formation of Indiana Science, Technology, Engineering, and Mathematics Resource Network Concept



Late 2007

USI Selected as the SW Indiana Lead Institution







Funding (Statewide)







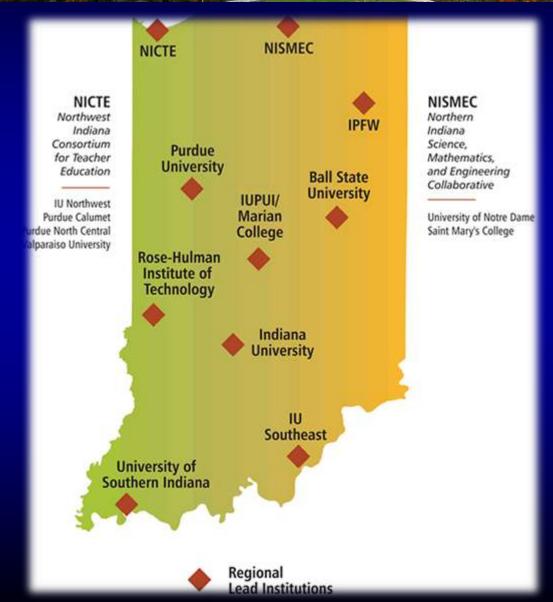




Overarching Goal

Help Indiana achieve its vision to be a national leader in student academic achievement in STEM disciplines and the in quality of its workforce









A Regional Solution to a National Problem





Long-Range Planning Committee - 03/05/2009 - Page 8

Establishment of Southwest Indiana STEM Resource Center

- Developed goals and objectives
- Prioritized initiatives
- Began developing framework for staffing
- Obtained additional funding
- Late 2007 began developing initiatives





Long Range Planning Committee - 03/05/2009 - Page 9

Regional Approach











Funding





\$150,000 per year



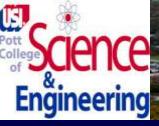
\$600,000 over 3 years



\$1,200,000 over 5 years

STEM Resource Endowment

\$75,000





- Professional Development P-16
- STEM Camps P-12
- PTLW
- Competitions
 - Legos
 - Bridge-building
 - Science Fair
- Fostering
 Business/Industry
 Relationships



- Informal Education
- Demonstrations
- Career Exploration
- Advocacy







- Early
 Undergraduate
 Research
- Pathways Leading to Undergraduate Success in the Sciences (PLUSS) Program



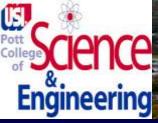






Equipment/Instrumentation Trucks















- Provide research grade equipment and instrumentation to regional K-12 schools
- Develop inquiry-based hands-on laboratories utilizing equipment in trucks
- Provide students with real-world science experiences







Pott College

"A Leader in Science, Technology, Engineering, and Mathematics Education"

