

# ARKANSAS NETWORK OF CENTERS FOR STEM EDUCATION

## Arkansas State University- East Arkansas Community College

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## Arkansas State University

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## University of Arkansas

STEM Center for Math and Science Education  
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## University of Arkansas at Little Rock

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## University of Arkansas at Monticello

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## University of Arkansas at Pine Bluff

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## SMART Lesson Portal

Provides resources for AR Math & science teachers in two ways: quality math & science lessons in 5E model; a matrix of resources linked to state Standards.

<http://stemlessons.org>

(Currently under construction)

## Additional Partnership Information

### EDUCATIONAL RENEWAL ZONES (ERZ)

ERZ is a broad-based P-20 initiative assigned the task of concentrating and coordinating available resources to improve school performance and student achievement.

Ms. Cindy Hogue, Director of Office of Educational Options; (501) 683-5780; [cindy.hogue@arkansas.gov](mailto:cindy.hogue@arkansas.gov)

### ARKANSAS DISCOVERY NETWORK

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Ms. Pody Gay, Network Coordinator; Museum of Discovery; [pgay@museumofdiscovery.org](mailto:pgay@museumofdiscovery.org);  
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### ARKANSAS ECONOMIC DEVELOPMENT COMMISSION SCIENCE & TECHNOLOGY

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### Mathematics

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Ms. Veronica Hebard – [veronica.hebard@arkansas.gov](mailto:veronica.hebard@arkansas.gov)

### Science

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## Statement of Purpose:

The Arkansas Network of STEM Centers serves to enrich the knowledge and teaching practices of teachers in Science, Technology, Engineering, and Mathematics by:

- linking institutions of higher education to K-12 public schools, educational service cooperatives, and businesses.
- providing services and resources for teachers, administrators, and students.

The Centers work to keep the public informed and offers implementation assistance as it relates to trends in education.

## Objectives:

- Provide professional development opportunities for classroom teachers, administrators, and other educators.
- Strengthen the skills and preparation of pre-service teachers.
- Increase collaboration between the Schools of Arts and Sciences and the Schools of Education at institutions of higher education.
- Contribute to improving student achievement in mathematics and science.
- Assist schools in curriculum, instruction and assessment improvements and reform.
- Foster partnerships with school districts in order to provide technical assistance.
- Promote collaboration and coordination of activities with the Educational Service Cooperatives.
- Support high quality mathematics and science education in the state.
- Coordinate with the Arkansas Department of Education in school improvement efforts.
- Serve as resources for mathematics, science and technology materials.

## Examples of Professional Development and Technical Assistance Opportunities

- New AR Science and math standards
- K – 12 Vertical Alignment of Topics/Tech.
- Project/Problem/Phenomenon-based & Inquiry-based Instruction in Science and Mathematics
- Development of Performance Assessments and the Use of Rubrics
- Technology Professional Development
- Custom Designed Programs to Meet the Needs of Individual Schools
- Student Enrichment Programs
- School Improvement Planning
- Technical Assistance: Instructional Technology, Data Analysis, Curriculum Implementation
- Science Classroom/Laboratory Safety
- Effective Use of Math Manipulatives and Science Equipment
- Parental Involvement & Family Math/Science/Literacy Nights
- Engineering Design Process Projects in Math and Science
- Robotics (VEX, LEGO, BEST, FIRST, TETRA, etc.)

## STEM Centers

*Are associated with:*

### Arkansas Science, Technology, Engineering and Mathematics (STEM) Coalition

Dr. Suzanne Mitchell, Executive Director  
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### Arkansas NASA Education Resource Center University of Arkansas, Fayetteville

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### Arkansas Department of Higher Education No Child Left Behind, Title II, Part A Teacher Quality Initiatives

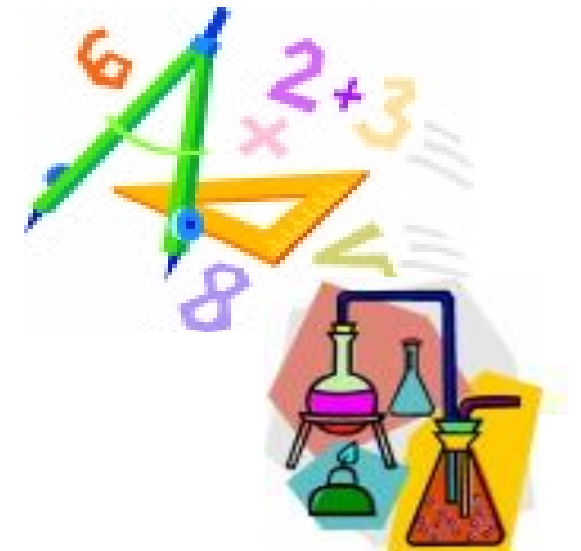
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### Arkansas Department of Education No Child Left Behind, Title II, Part B Renee Carson

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*Correct as of 3/02/2018*

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# 2017-2018