



**Alabama Commission on Higher Education**

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**NO CHILD LEFT BEHIND (NCLB)  
P.L. 107-110, TITLE II, PART A/SUBPART 3  
PROFESSIONAL DEVELOPMENT PROGRAM  
IMPROVING TEACHER QUALITY:  
MASTERY OF CONTENT**

**PROJECT DIRECTORY  
FISCAL YEAR 2009-2010**



Alabama Commission on Higher Education  
100 North Union Street  
P.O. Box 302000  
Montgomery, Alabama 36130-2000  
(334)242-1998  
[www.ache.state.al.us](http://www.ache.state.al.us)

**Alabama Commission on Higher Education  
No Child Left Behind Act (NCLB)  
P. L. 107-110, Title II, Part A/Subpart 3  
Professional Development Program  
IMPROVING TEACHER QUALITY: MASTERY OF CONTENT**

**PROJECT DIRECTORY  
Fiscal Year 2009-2010\***

Under authority of Public Law 107-110, the Alabama Commission on Higher Education (ACHE) is awarding a total of \$1,282,448 Fiscal Year 2009-2010 federal funds to Alabama institutions for K-12 teacher professional development. Of that amount, \$1,187,448 is awarded to continue long-term projects that received FY2008-2009 professional development grants; \$95,000 is awarded to one new project. Seven public universities were awarded grants to support partnerships between universities and high-need school districts. One of these grants also includes co-project leadership with a non-profit agency. Another one provides direct support for the state-wide Alabama Math, Science, and Technology Initiative (AMSTI). All are designed to provide long-term, statewide professional development to improve teaching in Alabama public and private schools. A major objective is to achieve high student performance standards, with emphasis on serving high need local school districts.

These projects provide K-12 teachers with individual hands-on training in the most current technology and proven learning strategies. Projects also include follow-up sessions and technical assistance during the academic year after summer workshops to refresh, reinforce, and re-establish principles and techniques learned. Follow-up varies by project but usually includes one-day workshops during the school year and on-site observation/assistance visits to teachers in their schools. In addition, projects typically maintain continuing communication by e-mail, voice contact, and internet websites. Expenses for administering these projects and for providing project materials are covered by the ACHE NCLB program along with support from the host institutions, private corporations, and government agencies. One ACHE NCLB grant supports teachers' independent research, including study abroad. Travel and related expenses for teachers participating in other projects are provided by sources other than ACHE NCLB funds.

Information on the objectives, schedules, and activities of these projects may be obtained from the project directors listed in this directory. Information on the overall higher education NCLB Program in Alabama is available from either Dr. Elizabeth French at (334) 242 2179 [Elizabeth.French@ache.alabama.gov] or Dr. James Conely at (334) 242 2235 [Jim.Conely@ache.alabama.gov] in the Office of Institutional Effectiveness and Planning at ACHE, P. O. Box 302000, Montgomery, Alabama, 36130-2000. The Project Directory and additional information on this program are available online at <http://www.ache.alabama.gov/NCLB/Index.htm>.

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\* Projects with FY 2009-2010 funding are active from spring 2010 through spring 2011.

**ACHE NCLB PROFESSIONAL DEVELOPMENT PROGRAM  
IMPROVING TEACHER QUALITY: MASTERY OF CONTENT**

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## Auburn University (AU)

### *Strategic Teaching for Improved Performance of Students (TIPS) in Reading*

**Partners:** College of Liberal Arts, Auburn University  
College of Education, Auburn University  
School of Education, Auburn University at Montgomery  
Public School System: Chambers County

Auburn University and Auburn University Montgomery are continuing a project for high school educators in Chambers County to improve adolescent literacy. The program reinforces the Alabama Reading Initiative and the Alabama Adolescent Literacy Advisory Council by building teachers' understanding of how to effectively engage secondary students in the reading-learning process. Objectives are: (1) provide on-going professional development that informs the teaching of Alabama Course of Study Language Arts Standards and reading standards in other core subjects; (2) involve educators in practicing research-proven methods for improving reading instruction and achievement across the curriculum; (3) increase reading achievement of secondary students; and (4) provide opportunities for teachers to use this professional development as partial fulfillment of credit toward recertification and graduate course work. The program includes summer sessions, school-based sessions throughout the year, and online access to teaching materials and book discussions.

**Project Director:** Dr. Edna Brabham, Associate Professor

**Address:** College of Education, Curriculum and Teaching  
5040 Haley Center  
Auburn University  
Auburn, AL 36849-5212

**Telephone:** (334) 844 6793      **FAX:** (334) 844 6789

**E-mail:** [brabhed@auburn.edu](mailto:brabhed@auburn.edu)

**Session Dates / Location:**

TBA

# Jacksonville State University (JSU)

## *AMSTI Lead Teacher Enhancement Project (Alabama Math, Science, and Technology Initiative)*

**Partners:** JSU College of Education  
JSU College of Arts and Sciences  
Public School Systems: Baldwin County; Blount County; Calhoun County; Cherokee County; Clarke County; Clay County; Cleburne County; Cullman County; Etowah County; Mobile County; Monroe County; Morgan County; Lawrence County; Limestone County; Randolph County; St. Clair County; Washington County

This project is designed to provide professional development for AMSTI Lead Teachers trained and chosen from among AMSTI schools in three AMSTI regions: JSU, Athens, and University of South Alabama (USA). Lead Teachers in Phase I schools provide oversight and support in the development of sustainable Professional Learning Teams (study groups) for their faculty. Phase II AMSTI Lead Teachers provide content specific professional development for the Professional Learning Teams under their leadership. The project builds on earlier work conducted by the University of North Alabama in 2009.

**Project Director:** Dr. William D. Carr, JSU Director, Dean College of Graduate Studies  
Jacksonville State University  
Jacksonville, AL 36265

**Telephone:** (256) 782 5329                      **FAX:** (256) 782 5321

**E-mail:** [wcarr@jsu.edu](mailto:wcarr@jsu.edu)                      **Internet:** [www.amsti.org](http://www.amsti.org)

**AMSTI JSU:** Tanya Barnes, AMSTI Director  
Alabama Math, Science, and Technology Initiative  
176 Rucker Street  
Anniston, AL 36205  
**Telephone:** (256) 782 5328                      **FAX:** (256) 782 5321  
**E-mail:** [tbarnes@jsu.edu](mailto:tbarnes@jsu.edu)                      **Internet:** [www.amsti.org](http://www.amsti.org)

**AMSTI Athens:** Joyce Waid, AMSTI Director  
300 North Beaty Street  
Athens, AL 35611  
**Telephone:** (256) 216 6622                      **FAX:** (256) 216 6623  
**E-mail:** [joyce.Waid@athens.edu](mailto:joyce.Waid@athens.edu)                      **Internet:** [www.amsti.org](http://www.amsti.org)

**AMSTI USA:** Shelly Rider, AMSTI Director  
912 Lakeside Drive, Suite A  
Mobile, AL 36693  
**Telephone:** (251) 665 4684                      **FAX:** (251) 665 4829  
**E-mail:** [srider@gulftel.com](mailto:srider@gulftel.com)                      **Internet:** [www.amsti.org](http://www.amsti.org)

**Session Dates/Locations:** See: <http://www.amsti.org/Events/tabid/60/Default.aspx>

***IMPACTSEED:  
Improving Physics And Chemistry Teaching  
in Secondary Education***

**Partners:** College of Arts & Sciences  
College of Education and Professional Studies  
Public School Systems: Anniston City; Attalla City; Blount County; Boaz City; Calhoun County; Cherokee County; Clay County; Cleburne County; Etowah County; Fort Payne City; Gadsden City; Guntersville City; Jacksonville City; Jefferson County; Oxford City; Pell City; Piedmont City; Randolph County; Roanoke City; St. Clair County; Talladega City; Talladega County  
Private School: Westbrook Christian School

IMPACTSEED addresses two pressing problems: About 83% of chemistry teachers and 94% of physics teachers are teaching out of field, and regional student achievement in physical sciences is much lower than the state average. To resolve these problems, the project helps teachers to make physics and chemistry understandable and fun to learn within a hands-on, inquiry-oriented setting, and also to overcome the fear-factor for these subjects among students and teachers alike. Five major components comprise the project: (1) an intensive two-week summer professional development program; (2) five technology workshops during the academic year; (3) sustained, year-round on-site support to the teachers; (4) year-round physics and chemistry hotlines to offer immediate support to the teachers when needed; (5) a website to disseminate the results of the project and to list useful resources. IMPACTSEED offers hands-on, inquiry-based instruction with a strong correlation to the Alabama Course of Study and national standards with primary emphasis on having students discover rather than memorize and with teachers questioning rather than telling. The project gives special attention to entry-level teachers throughout the state, notably those from high-poverty schools, minorities, and underrepresented groups.

**Project Director:** Dr. Nouredine Zettili, Professor

**Address:** Department of Physical and Earth Sciences  
Jacksonville State University  
700 Pelham Road North  
Jacksonville, AL 36265

**Telephone:** (256) 782 8077                      **FAX:** (256) 782 5336

**E-mail:** [nzettili@jsu.edu](mailto:nzettili@jsu.edu)

**Internet:** <http://www.jsu.edu/depart/pes/physics/impactseed/>

**Session Dates:**

Summer Institute:  
June 7-18, 2010

Technology workshops:  
Five School-Year Saturdays: TBA

**Location:**

Jacksonville State University

*Project TIMES III:  
Technological Integrations  
in Mathematical Environments and Studies III*

**Partners:** College of Arts & Sciences  
College of Education and Professional Studies  
**Public School Systems:** Clay County; Etowah County; Jacksonville City;  
Calhoun County; Pell City; Piedmont City; Talladega County;  
Tallassee City

TIMES III continues a professional development program for secondary education mathematics teachers as they strive to improve student achievement by increasing their own mathematical, technological, and pedagogical knowledge. Objectives include: (1) understanding of mathematical concepts; (2) awareness of applications of mathematics; (3) ability to use the technology to enhance student learning; and (4) competence in using a variety of instructional strategies. TIMES III focuses on integrating the use of technology into the understanding and development of mathematical concepts. Workshops address classroom instruction, group inquiry learning opportunities with hands-on manipulatives and technologies, and computer lab learning sessions.

**Project Director:** Dr. Jordan M. Barkley, Department Head

**Address:** Department of Secondary Education  
Jacksonville State University  
700 Pelham Road North  
Jacksonville, AL 36265

**Telephone:** (256) 782 5841

**FAX:** (256) 782 8308

**E-mail:** [jbarkley@jsu.edu](mailto:jbarkley@jsu.edu)

**Project Dates:**

Summer Institute:

June 21 - June 25, 2010

School-Year Proposed Followup dates:

September 20, 2010

October 18, 2010

November 15, 2010

Classroom visits: TBA January – March 2011

**Location:**

Jacksonville State University



*Revitalizing Civics, Government,  
and Economics Education  
in Southeast Alabama Schools*

**Partners:** College of Education  
College of Arts and Sciences  
**Public School Systems:** Butler County, Conecuh County, Crenshaw County

Citing a need to promote student learning in civics, government, and economics, this project trains private and public teachers and principals in the curricula of “We the People and Economics America.” Seventh and twelfth grade teachers and their principals in the partner school systems receive six days of training in the these subjects followed by university faculty specialists visiting schools to assist teachers as they implement the new curricula in their classrooms. Emphasis is on enhancing their knowledge and application of technology strategies to teaching in these specific content areas. In addition, seventh grade teachers receive specialized training in the mock United Nations model. The goal is developing an understanding of these areas resulting in students who are active and productive citizens.

**Project Directors:** Dr. Dianne Gossett, Associate Dean;  
Nadine Scarborough, P-12 Coordinator

**Address:** College of Education  
339 Hawkins Hall  
Troy University  
Troy, AL 36082

**Telephone:** (334) 670 3460                      **FAX:** (334) 670 3417

**E-mail:**                      [dgossett@troy.edu](mailto:dgossett@troy.edu);                      [nscarbor@troy.edu](mailto:nscarbor@troy.edu)

**Session Dates:**  
Professional Development Institutes  
February 24, 2010  
Other dates: TBA  
Followup Activities/Visits  
Fall 2010: Dates TBA  
Spring 2011: Dates TBA

**Location:**  
Georgiana: Butler County Magnet School  
Location TBA  
  
Location TBA

# The University of Alabama (UA)

## *Physical Science in the 21<sup>st</sup> Century: Improving Teacher Quality and Mastery of Content (PS21)*

**Partners:** College of Education  
College of Arts and Sciences  
Public School Systems: Hale County, Marengo County, Bibb County

This project provides professional development for middle school physical science teachers in rural and small city schools. Four one-day institutes are held during the school year with online resources provided in the interim periods. The physical science content focus is on concepts aligned with the Alabama Course of Study – Science: Archimedes Principle, Boyle’s Law, density, heat capacity, acceleration of gravity, Newton’s second law of motion, air resistance, rotational motion, conservation of energy, and uniform circular motion. Using technology in teaching physical science is also a component of the project with a focus on data collecting interface and Web 2.0 tools including a wide variety of data sensors, wiki, and ranking tools, combining Institute instruction with assistance at teachers’ school sites. Inquiry teaching strategies to foster students’ higher order thinking is woven throughout the project’s institutes.

**Project Director:** Dr. Dennis W. Sunal, Professor

**Address:** Department of Curriculum and Instruction  
P. O. Box 870232  
Tuscaloosa, AL 35487-0232

**Telephone:** (205) 348 7010                      **FAX:** (205) 348 9863

**E-mail:** [dwsunal@bama.ua.edu](mailto:dwsunal@bama.ua.edu)

**Internet:** <http://www.nicenet.org>

**Session Dates:** (subject to change)

Friday, September 17, 2010

Friday, November 5, 2010

Friday, February 4, 2011

Friday, April 8, 2011

**Location:**

University of Alabama

Bibb County Schools

Hale County Schools

Marengo County Schools

Continuous Online Professional Development:                      Online  
Individual activities, communication, mentors

***ALAHASP 2010-2011:  
Alabama Hands-On Activity Science Program***

**Partners: UAB School of Education  
UAB Science and Technology Honors Program  
UAB AMSTI  
UAB Regional Inservice Center  
Public School Systems: Birmingham City; Chilton County; Gadsden  
City; Leeds City; Selma City; St. Clair County; Trussville City**

It is the mission of ALAHASP to provide opportunities for teachers and administrators to extend their understanding and practice of inquiry-based teaching and learning as they help students explore, question, and construct scientific understanding of the world around them. ALAHASP provides on-going professional development aligned with state and national science education standards, research-based classroom materials, leadership development, and consultation services in grades K-8. The primary focus is providing teachers with instruction firmly grounded in science content and research-based best practices. School-year 2010-2011 objectives are to continue (1) providing professional development in K-8 basic science modules for teachers in non-AMSTI schools; (2) providing technical assistance to selected teachers in implementation of science curriculum through a partnership with UAB Science and Technology Honors students; (3) providing advanced professional development in science education for teachers after they have completed basic science module training; and (4) providing guidance and professional development for school system administrators.

**Project Director:** Dr. Joseph Burns, Associate Professor

**Co-Directors:** Joan Dawson; Beverly Radford

**Address:** School of Education/ALAHASP, EB 121  
1530 3<sup>rd</sup> Avenue South  
Birmingham, AL 35294-1250

**Telephone:** (205) 934 6885 *or* 934 6843                      **FAX:** (205) 996 7081

**E-mail:**                      [jburns@uab.edu](mailto:jburns@uab.edu) / [jdawson@uab.edu](mailto:jdawson@uab.edu) / [bevrad@uab.edu](mailto:bevrad@uab.edu)  
   [Burns]    [Dawson]    [Radford]

**Internet:**                      <http://www.uab.edu/alahasp>

**Project Dates:**

View the ALAHASP website or call/e-mail the ALAHASP staff for current schedules.

*The University-School Partnership  
for Secondary Science Education  
("BioTeach")*

**Partners:** Center for Community Outreach Development (CORD)  
UAB School of Education  
**Public School Systems:** Birmingham City; Jefferson County; Tarrant City  
**Non-Profit Agency:** McWane Science Center

CORD's BioTeach program in cell and molecular biology offers sixteen high school teachers a high level of content knowledge, hands-on research, teaching experiences, and training in inquiry-based methods for science education. The project includes a three-week summer classroom experience and several additional sessions on professional development days during the year. Mentoring during the academic year unites BioTeach participants to craft "best practices" for Alabama science classrooms and advise educational class trips to CORD's GENEius Lab in Birmingham's McWane Science Center, to enhance the teachers' state-of-the-art science education. In past years BioTeach has enabled over 270 Alabama high school teachers to provide cutting-edge science education to their students. It continues in school year 2010-2011 to advance the mission of state standards and the Alabama Course of Study for science.

**Project Director:** Dr. J. Michael Wyss, Professor

**Address:** Center for Community Outreach Development  
CH19, Fifth Floor  
University of Alabama at Birmingham  
933 19<sup>th</sup> Street South  
Birmingham, AL 35294-2041

**Telephone:** (205) 934 5198                      **FAX:** (205) 934 5158

**E-mail:** [jmwyss@uab.edu](mailto:jmwyss@uab.edu)

**Internet:** [www.uab.edu/cord](http://www.uab.edu/cord)

**Session Dates:**

Summer Course:

June 21 – July 9, 2010

School-Year Followup (tentative dates):

October 23, 2010

February 12, 2011

April 16, 2011

Project staff assistance visits to teachers in their classrooms: TBA

**Location:**

Birmingham: McWane Science Center

***The Success Through Academic Research (STAR) Project:  
The Independent Study Scholarship Program***

**Partners: UAH Department of Education  
UAH Institute for Science Education  
Public School System: Hale County**

STAR provides meritorious Alabama K-12 teachers in “high need” schools with an opportunity for independent research and study in the subjects they teach to increase their expertise and teaching effectiveness. The partnership consists of a working group of academics from all fields of teaching and research at UAH, under the guidance of the UAH Office of International Programs and Services and a school district that will identify teachers from the system’s schools who meet minimal criteria of excellence and invite them to apply for a limited number of independent research scholarships of up to \$4,000 each. Scholarships for teachers in the partner school district are awarded for well thought-out and carefully planned individual research projects in all core subjects. As space is available, applications from teachers in other Alabama school districts are accepted. All study programs include professional mentoring and follow-up throughout the teachers’ independent study.

**Project Director:** Dr. John R. Pottenger, Director

**Address:** Office of International Programs and Services  
Madison Hall, Room 137  
University of Alabama in Huntsville  
Huntsville, AL 35899

**Telephone:** (256) 824 6055                      **FAX:** (256) 824 6142

**E-mail:** [pottenj@uah.edu](mailto:pottenj@uah.edu)

**Independent Study Dates and Locations:**  
Varies by teacher and study program

**Followup Session:**  
Spring 2011 [Date TBA]

**University of South Alabama / (USA)  
Alabama Institute for Education in the Arts (AIEA)**

***Comprehensive Arts Education: Alabama***

**Partners:** College of Arts and Sciences  
 College of Education  
**Public School Systems:** Baldwin County; Montgomery County; Mobile County;  
 Monroe County; Selma City.  
**Private School:** Archdiocese of Mobile; Cottage Hill Christian School;  
 Mobile Junior Academy; Saint James School.  
**Non-Profit Agencies:** Alabama Shakespeare Festival; Montgomery Museum  
 of Fine Arts; Mobile Museum of Art.

Comprehensive Arts Education with its partner agencies and schools serves elementary and secondary classroom teachers statewide. While art is recognized as part of the core curriculum, most art instruction falls to general classroom teachers. This program is the only statewide comprehensive arts education professional development provider and offers sequential and intensive instruction in comprehensive arts education along with training in curriculum development and arts education advocacy. Highly qualified university faculty, nationally recognized teaching artists, and master teachers provide instruction and mentoring in the individual classrooms, also assisting with guided practice in final projects developed in this program. On-going “SuperSaturday” and “Arts in Education” renewal sessions are conducted throughout the year. Project staff assures that all work is directly tied to appropriate national and state standards reflecting best practices identified in research and the *Alabama Arts Education Plan*.

**Project Directors:** Dr. Jeannette Fresne, Assistant Professor, USA  
 Linda Dean, Executive Director, AIEA

<b>Address:</b>	<u>AIEA:</u> Alabama Institute for Education in the Arts (AIEA) One Festival Drive Montgomery, AL 36117	<u>USA Arts in Education (AiE):</u> Department of Music, Studio 1072 Laidlaw Performing Arts Center University of South Alabama Mobile, AL 36688-0002
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<b>Telephone:</b>	(334) 396 2432 [Dean]	(251) 460 6697 [Fresne]
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<b>E-mail:</b>	<a href="mailto:lindadean@asf.net">lindadean@asf.net</a> [Dean]	<a href="mailto:jfresne@usouthal.edu">jfresne@usouthal.edu</a> [Fresne]
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<b>Internet:</b>	<a href="http://www.artseducation.org">http://www.artseducation.org</a>	<a href="http://www.southalabama.edu/music/artsineducation">http://www.southalabama.edu/music/artsineducation</a>
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<b>Session Dates:</b> Alabama Institute for Education in the Arts (AIEA): Summer Institute: June 14-18, 2010 Curriculum Integration: July 26-29, 2010 Curriculum Renewal July 28, 2010	<b>Locations:</b> Montgomery, AL Montgomery, AL Montgomery, AL
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AIEA SuperSaturdays: Four to six sessions throughout the year focusing on specific art disciplines and integrating the arts with other core academic areas.

AIEA Mentoring: Two or more visits with participants in their schools.

**Session Dates (cont'd.):**

Arts in Education (AiE):

September 17-18, 2010

October 15-16, 2010

November 12-13, 2010

January 14-15, 2011

February 11-12, 2011

March 11-12, 2011

AiE Mentoring Dates:

Up to six mentoring visits, scheduled individually between instructors and program participants, from August through March addressing each AiE session.

**Locations:**

Loxley, Mobile