

ALABAMA COMMISSION ON HIGHER EDUCATION

**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 2011-2012**

**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 2011-2012***

Under authority of Public Law 107-110, the Alabama Commission on Higher Education (ACHE) is awarding a total of \$1,021,418 federal funds to Alabama institutions of higher education for professional development in grades K-12. The funding continues long-term projects that were awarded FY2010-2011 grants. Receiving these grants are seven public universities and one state community college. The grants support partnerships between higher education and high-need school districts, with one including a non-profit agency in co-project leadership and two others providing 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, administrators, and para-professionals with individual hands-on training in the most current technology and proven learning strategies. After initial sessions, projects also include follow-up sessions and technical assistance during the academic year to refresh, reinforce, and re-establish content knowledge and teaching techniques. 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 support and service to participants 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 participants 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 Dr. Elizabeth French at (334) 242 2179 [Elizabeth.French@ache.alabama.gov] and 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. Additional information on this program is available online at <http://www.ache.alabama.gov/NCLB/Index.htm>.

* Projects with FY 2011-2012 funding are active from spring 2012 through spring 2013.

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

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Athens State University (Athens)

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

University Partners	High-Need School District Partners[†]	Other School District Partners
College of Arts and Sciences College of Education Regional In-Service Center Alabama Technology in Motion Alabama Science in Motion	Athens City	Blount County Cullman County Lawrence County Limestone County

The AMSTI Lead Teacher Enhancement Project, in collaboration with the Alabama State Department of Education (ALSDE) is designed to (1) establish and implement Professional Learning Teams (PLTs) and (2) provide professional development for the PLTs in aligning the AMSTI curriculum and resource material with the Alabama Course of Study standards. The goal is developing sustained leadership by empowering and enhancing the leadership potential of lead teachers in AMSTI schools. Research has shown that PLTs can promote teacher collaboration, enhance the teaching of content knowledge, and provide higher standards for all students. The project builds on earlier work conducted by the University of North Alabama (2009) and the AMSTI Lead Teacher Enhancement Project (2010 and 2011) conducted by Jacksonville State University.

Project Director: Dr. Debra Baird
Dean, College of Education;
Director, Regional In-service Center

Telephone: (256) 216-6617 **FAX:** (256) 216-6646

E-mail: debra.baird@athens.edu

AMSTI Athens: Carrie Lin, Director **Telephone:** (256) 216 6622
300 North Beaty Street **FAX:** (256) 216 6623
Athens, AL 35611 **Email:** carrie.lin@athens.edu

Session Dates: Phase I PLT Training
Friday, May 4, 2012
9:00am-3:00pm

Location: AMSTI-Athens State
1115 Hwy 31 South
Athens AL 35611

Phase II Content Deepening
OGAP Additive Reasoning
(2 days TBD, early August 2012)

Location: TBD

^{††} High-need school district partners are those that meet NCLB criteria for 20% percent or more of students in poverty households estimated in the U. S. Census Bureau's most recent report *and* high number of non-highly qualified teachers.

Jacksonville State University (JSU)

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

University Partners	High-Need School District Partners[‡]	Other School District Partners
College of Arts and Sciences College of Education and Professional Studies In-Service Education Center Technology in Motion Alabama Science in Motion	Cherokee County Gadsden City Oxford City Piedmont City Roanoke City	Attalla City Calhoun County St. Clair County

This project is designed to (1) establish and implement Professional Learning Teams (PLTs) and (2) provide professional development for the PLTs in aligning the AMSTI curriculum and resource material with the Alabama Course of Study standards. The goal is building sustained leadership by empowering and enhancing the leadership potential of lead teachers in AMSTI schools. The project builds on earlier work conducted by the University of North Alabama (2009) and the AMSTI Lead Teacher Enhancement Project (2010 and 2011) conducted by Jacksonville State University.

Project Director: Dr. Jordan Barkley, Associate Dean
College of Education and Professional Studies
Jacksonville State University
Jacksonville, AL 36265

Telephone: (256) 782-5841 **FAX:** (256) 782-5169

E-mail: jbarkley@jsu.edu **Internet:** www.amsti.org

AMSTI JSU: Tanya Barnes,
AMSTI Project Administrator **Telephone:** (256) 847 0784
176 Rucker Street **FAX:** (256) 847 8835
Anniston, AL 36205 **Email:** tbarnes@jsu.edu

Session Dates: May 2012 – March 2013
(dates TBD) **Location:** JSU InService Center McClellan
100 Gamecock Drive
Anniston, AL 36205

[‡] High-need school district partners are those that meet NCLB criteria for 20% percent or more of students in poverty households estimated in the U. S. Census Bureau's most recent report *and* high number of non-highly qualified teachers.

Snead State Community College

IMPACTSEED: Improving Physics And Chemistry Teaching in Secondary Education

College Partners	High-Need School District Partners [§]		Other School District Partners	
Division of Natural Sciences Division of Social Sciences	Anniston City Cherokee County Cullman City DeKalb County Franklin County Guntersville City Jacksonville City Marion County Marshall County Oxford City	Pell City Piedmont City Roanoke City Russellville City Scottsboro City Talladega County Tusculmbia City Walker County Winston County	<u>Public:</u> Albertville City Attalla City Baldwin County Boaz City Blount County Calhoun County Clay County Cleburne County Colbert County Cullman County Etowah County Florence City Jackson County Jefferson County	Lauderdale County Lawrence County Limestone County Madison City Madison County Morgan County Randolph County St. Clair County <u>Private:</u> Marshall Christian Academy, Albertville Westbrook Christian School, Rainbow City

IMPACTSEED addresses two pressing problems: Over 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 correlates 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: Division of Natural Sciences
 Snead State Community College
 P. O. Box 734
 Boaz, AL 35957

[§] High-need school district partners are those that meet NCLB criteria for 20% percent or more of students in poverty households estimated in the U. S. Census Bureau’s most recent report *and* high number of non-highly qualified teachers.

Telephone: (256) 782-8077 **FAX:** (256) 593-7180

E-mail: nouredine.zettili@snead.edu

Internet: <http://www.snead.edu/impactseed/>

Session Dates:

Summer Institute:

June 4-15, 2012

Technology workshops:

Five School-Year Saturdays: TBA

Location:

Elrod Science Building

Room SC111

Troy University – Dothan Campus (TUD)

Wiregrass Math, Science, and Technology Leadership Academy

University Partners	High-Need School District Partners**	Other Partners
College of Arts and Sciences College of Education	Eufaula City Geneva County Henry County	Wiregrass Math and Science Consortium

This Leadership Academy promotes inquiry-based math and science instruction highlighting the application of technology. Language Arts/Writing and cross-curriculum cultural enrichment strategies are presented to demonstrate the need for integrating all content areas. The Academy encourages professional development that has significant and meaningful math and science content that models research-based instructional strategies. Teachers in non-affiliated AMSTI schools are provided materials and equipment to implement instructional strategies to improve achievement in math and science. On-going support is provided to sustain their instructional strategies.

Project Directors: Dr. Vijaya Gompa Dr. Shawn Plash
College of Arts and Science College of Education
Troy University-Dothan Campus Troy University-Dothan Campus
P. O. Box 8368 P. O. Box 8368
Dothan, AL 36304-1575 Dothan, AL 36304-1575

Telephone: (334) 983-6556 Ext. 387 (334) 983-6556 Ext. 397

FAX: (334) 556-1054 (334) 556-1053

E-mail: vgompa@troy.edu splash@troy.edu

Session Dates **Location:**
June 14-19, 2012 Troy University, Dothan

Followup Dates
November 9, 2012
February 8, 2013

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The University of Alabama (UA)

Physical Science in the 21st Century: Improving Teacher Quality and Mastery of Content (PS-21)

University Partners	High-Need School District Partners ^{††}		Other School District Partners	Other Partner
College of Arts and Sciences College of Education	Bibb County Birmingham City Choctaw County Marengo County Marion County	Perry County Thomasville City Walker County Marshall County	Crenshaw County Hale County Tuscaloosa County	Technology in Motion

This project provides professional development for middle and high school physical science teachers in rural and urban 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 advanced study of concepts aligned with the Alabama Course of Study – Science: energy, electricity and magnetism, modern physics, and mechanics with both the physics and chemistry basis of these concepts presented. Using technology in teaching physical science is also a component of the project with a focus on collecting data using sensors, Web 2.0 tools, and phone applications (Apps) combining Institute instruction with assistance at teachers’ school sites. Working with other teachers in a professional learning community and developing master lessons and trial teaching are also emphasized. 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
205C Graves Hall
Tuscaloosa, AL 35487-0232

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

E-mail: dwsunal@bama.ua.edu

Internet: <http://ps21-pd.wikispaces.com/>

Session Dates: (subject to change)
September 21, 2012
October 19, 2012
February 1, 2013
March 22, 2013

Location:
UA Tuscaloosa Campus
3408 Science and Engineering Complex

Continuous Online Professional Development with individual activities, communication, mentors.

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University of Alabama at Birmingham (UAB)

ALAHASP 2012-2013: Alabama Hands-On Activity Science Program

University Partners	High-Need School District Partners^{‡‡}	Other School District Partners	Other Partners
School of Education Science and Technology Honors Program Alabama Math, Science, and Technology Initiative (AMSTI) Regional In-service Center	Birmingham City Chilton County Gadsden City Leeds City Selma City	Hoover City Trussville City	Alabama Power Co. Carolina Biological Supply Company McWane Science Center

ALAHASP is an inquiry-centered, hands-on science program that provides on-going teacher and administrator professional development aligned with state and national science education standards. The primary focus is providing public and private school teachers with instruction firmly grounded in science content and research-based best practices in order to improve student understanding. External evaluation of previous work shows significant gains in content knowledge for teachers participating in ALAHASP workshops, as well as increased confidence in teaching science. Program objectives are to provide (1) guidelines and assistance to school system administrators conducting their own professional development in K-5 science curriculum modules for teachers in non-AMSTI schools, (2) technical assistance to selected teachers in implementation of science curriculum through partnerships with UAB science and technology students, (3) advanced teacher professional development in science education (including The Private Eye® process), and (4) 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, College of Arts & Sciences / ALAHASP, EB 121
1530 3rd Avenue South
Birmingham, AL 35294-1250

Telephone: (205) 934-6885 **FAX:** (205) 996-7081

E-mail: jburns@uab.edu / jdawson@uab.edu / 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 schedules.

^{‡‡} High-need school district partners are those that meet NCLB criteria for 20% percent or more of students in poverty households estimated in the U. S. Census Bureau's most recent report *and* high number of non-highly qualified teachers.

University of Alabama at Birmingham (UAB)

The University-School Partnership for Secondary Science Advancement (“BioTeach”)

University Partners	High-Need School District Partners^{§§}	Other School District Partners	Other Partners
College of Arts and Sciences School of Education	Birmingham City Dallas County Selma City	Jefferson County Tarrant City	Concordia College, Selma McWane Science Center, Birmingham

The 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 with additional sessions during the school year. The project also continues “BioTeach Express” to train Alabama Black Belt teachers in a course parallel to BioTeach. Training will be linked to the implementation of inquiry-based experiences. Mentoring during the academic year unites BioTeach teachers to craft “best practices” for Alabama science classrooms, and educational class trips to the GENEius Lab in Birmingham’s McWane Science Center to facilitate state-of-the-art science education. In past years BioTeach has enabled over 300 Alabama high school teachers to provide cutting-edge science education to their students. It continues in school-year 2012-2013 to advance the mission of the state to empower the next generation of Alabama’s science workforce.

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

Address: Center for Community Outreach Development (CORD)
933 19th Street South
Birmingham, AL 35294-2041

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

E-mail: jmwyss@uab.edu

Internet: www.uab.edu/cord

BioTeach Session Dates:

June 11-29, 2012
September 15, 2012
October 12, 2012
November 17, 2012

Location:

Birmingham: McWane Science Center

^{§§} High-need school district partners are those that meet NCLB criteria for 20% percent or more of students in poverty households estimated in the U. S. Census Bureau’s most recent report *and* high number of non-highly qualified teachers.

BioTeach Express Session Dates:

July 16-19, 2012

July 23-27, 2012

Location:

Selma: Concordia College Chemistry Lab
and Lecture Room

BioTeach Refresher/Classroom Visit Dates

(for past participants with their students) :

October 27, 2012

February 17, 2013

April 16, 2013

Location:

Birmingham: McWane Science Center

University of Alabama in Huntsville

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

University Partners	High-Need School District Partner^{***}	Other School District Partners
Department of Education Institute for Science Education	Mobile County	<i>Depending on available space, other school districts may become partners.</i>

Each year the STAR Project partners with a high-need school district to award a limited number of independent study scholarships to meritorious Alabama K-12 teachers. The scholarships are provided for independent research to enhance subject-matter expertise and teaching effectiveness. Administered by the UAH Office of International Programs and Services, this year's partnership consists of the Mobile County School System as well as personnel from the arts and sciences at UAH. The Mobile County School System identifies teachers from the system's schools who meet minimal criteria of excellence and invites them to apply for a STAR scholarship of up to \$3,000 each. Scholarships for teachers in the partner school district are awarded in all core subjects for well thought-out and carefully planned individual research projects. The program also includes teacher mentors as well as follow-up assistance throughout the academic year as the teachers apply newly acquired content knowledge and other benefits of their study programs. If space becomes available, applications from teachers in other Alabama school districts are accepted.

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

Independent Study Dates and Locations:

Varies by teacher and study program

Followup Session:

Spring 2013 [Date TBD]

^{***} High-need school district partners are those that meet NCLB criteria for 20% percent or more of students in poverty households estimated in the U. S. Census Bureau's most recent report *and* high number of non-highly qualified teachers.

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

Comprehensive Arts Education: Alabama

University Partners	High-Need School District Partners ^{†††}	Other School District Partners	Other Partners
College of Arts and Sciences College of Education Department of Music	Mobile County Montgomery County Selma City	Baldwin County	St. James School, Montgomery Alabama Shakespeare Festival Montgomery Museum of Fine Arts

Comprehensive Arts Education with its partner agencies and schools serves elementary and secondary classroom teachers statewide. While the arts are recognized as part of the core curriculum, most 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, Associate Professor, USA
Martha Lockett, ACHE Grants Manager, AIEA

Address:	<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 University of South Alabama 5751 USA Dr. S., LPAC 1072 Mobile, AL 36688-0002
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E-mail:	mlockett@att.net [Lockett]	jfresne@usouthal.edu [Fresne]
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Internet:	http://www.artseducation.org http://www.southalabama.edu/music/artsineducation
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AIEA Session Dates:

Alabama Institute for Education in the Arts (AIEA)

Summer Institute:

June 18-22, 2012

Integrated Curriculum Design Workshop I:

July 9-12, 2012

Integrated Curriculum Renewal:

[Date TBD: February 2013]

AIEA SuperSaturdays: Four to six sessions throughout the year focusing on specific art disciplines and integrating the arts with other core academic areas. Dates TBA.

AIEA Site Visits: Scheduled individually between instructors and program participants, from September 2012 through April 2013

Location:

Montgomery (all sessions)

AIE Session Dates:

Arts in Education: Elementary (AiE)

Planned Dates

June 25, 2012

September 22, 2012

October 13, 2012

November 3, 2012

December 1, 2012

January 12, 2013

Location:

Mobile (all sessions)

Arts in Education: Middle School (AiE)

Planned Dates

June 25-28, 2012

October 20, 2012

November 10, 2012

Arts in Education (AiE) Reunion!

Planned Date

January 26, 2013

AiE Elementary and Middle School Mentoring Dates:

Scheduled individually between instructors and program participants, from July 2012 through March 2013