

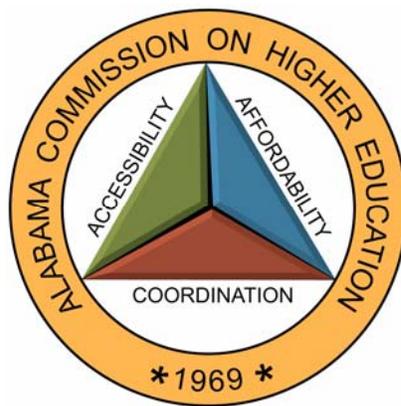


ALABAMA COMMISSION ON HIGHER EDUCATION

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 2010-2011



Alabama Commission on Higher Education

100 North Union Street

P.O. Box 302000

Montgomery, Alabama 36130-2000

(334)242-1998

**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 2010-2011***

Under authority of Public Law 107-110, the Alabama Commission on Higher Education (ACHE) is awarding a total of \$1,242,485 federal funds to Alabama institutions for K-12 teacher professional development. Of that amount, \$1,172,485 is awarded to continue long-term projects that were awarded FY2009-2010 grants; \$70,000 is awarded to one new project in this program. Receiving these grants are six public universities and one state community college. The grants support partnerships between higher education and high-need school districts, with one of these grants including a non-profit agency in co-project leadership and another one 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 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 several one-day workshops during the school year and on-site observation/assistance visits to teachers in their schools. In addition, projects typically maintain 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>.

* Projects with FY 2010-2011 funding are active from spring 2011 through spring 2012.

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

TABLE OF CONTENTS

Jacksonville State University
AMSTI Lead Teacher Enhancement Project
(Alabama Math, Science, and Technology Initiative)1

Jacksonville State University
Project TIMES 4: Technological Integrations
of Mathematical Environments and Studies3

Snead State Community College
IMPACTSEED: Improving Physics and Chemistry Teaching
in Secondary Education4

Troy University
Revitalizing Civics, Government and Economics Education
in Southeast Alabama Schools6

Troy University – Dothan Campus
Wiregrass Math, Science, and Technology
Leadership Academy8

The University of Alabama
Physical Science in the 21st Century:
Improving Teacher Quality and Mastery of Content9

University of Alabama at Birmingham
ALAHASP 2011-2012:
Alabama Hands-On Activity Science Program10

University of Alabama at Birmingham
The University-School Partnership
for Secondary Science Advancement (“BioTeach”)11

University of Alabama in Huntsville
The Success Through Academic Research (STAR) Project:
The Independent Study Scholarship Program12

The University of South Alabama /
Alabama Institute for Education in the Arts
Comprehensive Arts Education: Alabama13

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	Other Partners
College of Arts and Sciences College of Education and Professional Studies College of Graduate Studies and Continuing Education In-Service Education Center Technology in Motion Alabama Science in Motion	Attalla City Cherokee County Clarke County Cullman County Gadsden City Mobile County Monroe County Piedmont City	Baldwin County Blount County Calhoun County Clay County Cleburne County Etowah County Jacksonville City Lawrence County Limestone County Morgan County Randolph County St. Clair County Washington County	AMSTI-Athens State University AMSTI–University of South Alabama (USA)

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 and subsequent AMSTI Lead Teacher Enhancement Project in collaboration with the Alabama State Department of Education and the Alabama Commission on Higher Education.

Project Director: Dr. William D. Carr, Dean
College of Graduate Studies/In-Service Center
Jacksonville State University
Jacksonville, AL 36265

Telephone: (256) 782 5328 **FAX:** (256) 782 5321

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

AMSTI JSU: Tanya Barnes,
AMSTI Administrator
176 Rucker Street
Anniston, AL 36205

Project

Telephone: (256) 847 0784
FAX: (256) 847 8835
Email: tbarnes@jsu.edu

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

AMSTI ATHENS: Joyce Waid, AMSTI Director
300 North Beaty Street
Athens, AL

Telephone: (256) 216 6622
FAX: (256) 216 6623
Email: joyce.Waid@athens.edu

AMSTI USA: Shelly Rider, AMSTI Director
912 Lakeside Drive, Suite A
Mobile, AL

Telephone: (251) 665 4684
FAX: (251) 665 4829
Email: shellyrider@me.com

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

Jacksonville State University (JSU)

Project TIMES 4: Technological Integrations in Mathematical Environments and Studies

University Partners	High-Need School District Partners*	Other School District Partners
College of Arts and Sciences College of Education and Professional Studies	Anniston City Cherokee County Gadsden City Pell City Piedmont City Talladega County	Calhoun County Etowah County Jacksonville City Oxford City St. Clair County Talladega City

TIMES 4 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. TIMES 4 focuses on integrating the use of technology into the understanding and development of mathematical concepts. Workshops, interaction with people in the workforce who use mathematics, and continuous collaboration with colleagues and instructors provide the opportunity for teachers to increase their knowledge of mathematics and improve the ways in which they utilize technology to enhance the teaching of mathematics. To address the multiple needs of diverse students, workshops include suggestions for encouraging all students to learn and use mathematics.

Project Director: Dr. Jordan M. Barkley, Head

Address: Department of Secondary Education
Jacksonville State University
700 Pelham Road North, RWB 205
Jacksonville, AL 36265

Telephone: (256) 782 5841 **FAX:** (256) 782 8308

E-mail: jbarkley@jsu.edu

Project Dates: **Location:**
Summer Workshop: Jacksonville State University

June 20 - 24, 2011 [8:00 a.m. – 4:30 p.m.]

Followup Workshops:

July 21, 2011 [5:00 p.m.]

October 18, 2011 [5:00 p.m.]

April 24, 2012 [5:00 p.m.]

Classroom mentoring visits [days TBA]: October 2011; January–March 2012

* High-need school district partners are those that meet NCLB criteria for percent 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 Fort Payne City Gadsden City Guntersville City Pell City Oxford City Roanoke City Scottsboro City Talladega County	<u>Public:</u> Albertville City Boaz City Calhoun County Clay County Etowah County Huntsville City Jacksonville City Jefferson County Madison City Morgan County Randolph County Shelby County St. Clair County	<u>Private:</u> Faith Christian School, Anniston Westbrook Christian School, Rainbow City

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

Address: Division of Natural Sciences
 Snead State Community College
 P. O. Box 734
 Boaz, AL 35957

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

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

E-mail: Nouredine.zettili@snead.edu

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

Session Dates:

Summer Institute:

June 7-17, 2011

Technology workshops:

Five School-Year Saturdays: TBA

Location:

Elrod Science Building

Room SC111

Troy University

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

University Partners	High-Need School District Partners*	Other Partners
College of Arts and Sciences College of Education Center for International Economic Development Southeast Alabama Regional Inservice Center ACCESS: Alabama Connecting Classrooms, Educators, and Students Statewide	Dale County Geneva City Geneva County Ozark City Pike County Troy City	Alabama Center for Law and Civic Education

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 seven 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; nscarbor@troy.edu

Session Dates:
Professional Development Institutes
February 18 [8:00 a.m. – 3:00 p.m.]
United Nations Model Training
for 6th-8th grade teachers

Location:
Troy University:
Hawkins Hall 107

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

February 24-25 [8:00 a.m. – 3:30 p.m.] “We the People” Training for principals/curriculum directors and 6 th -12 th grade teachers	Hawkins Hall 107, 122
March/April [date TBA] Regional Conference for principals/curriculum directors and 6 th -12 th grade teachers	[location TBA]
April 19 [8:30 a.m. – 3:30 p.m.] Technology Applications; “Economics America” for 6 th -12 th grade teachers	Hawkins Hall 218 computer lab
Summer 2011 [one-day schedule TBA] Extended training: “We the People” for 6 th -12 th grade teachers	[location TBA]

Follow-up Activities/Visits: Fall 2011-Spring 2012
Classroom mentoring and evaluation visits [days TBA]

**Troy University – Dothan Campus
(TROY-Dothan)**

***Wiregrass Math, Science, and Technology
Leadership Academy***

University Partners	High-Need School District Partners* Partners*	Other Partners
College of Arts and Sciences College of Education	Barbour County Dothan City 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. On-going support is provided to sustain their instructional strategies.

Project Directors:	Dr. Vijaya Gompa College of Arts and Science	Dr. Shawn Plash College of Education
Address:	Troy University-Dothan Campus P. O. Box 8368 Dothan, AL 36304	Troy University-Dothan Campus P. O. Box 8368 Dothan, AL 36304
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 June 9-14, 2011	Location: Troy University, Dothan	
Followup Dates November 18, 2011 February 17, 2012		

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

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
College of Arts and Sciences College of Education	Bibb County Choctaw County Clarke County Fayette County Marengo County Marion County Perry County	Russellville City Sumter County Sylacauga City Talladega City Talladega County Walker County Wilcox County	Bessemer City Birmingham City Hale County Calhoun County Etowah County Jacksonville City Oxford City St. Clair County

This project provides professional development for middle and high 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 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 data collecting interface and Web 2.0 tools including wiki and ranking tools and combines 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 17, 2010
October 22, 2010
February 25, 2011
April 8, 2011

Location:

UA Tuscaloosa Campus
3408 Science and Engineering Complex

Continuous Online Professional Development:
Individual activities, communication, mentors

* High-need school district partners are those that meet NCLB criteria for percent 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)

ALAHASP 2010-2011: 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 Inservice Center	Birmingham City Chilton County Gadsden City Selma City	Trussville City Leeds City	Alabama Power Co. Carolina Biological Supply Company

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) professional development in K-8 basic science modules, (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 in 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 or 934 6843 **FAX:** (205) 996 7081

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

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

Project Dates:

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

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

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

University Partners	High-Need School District Partners⁸	Other School District Partners	Other Partners
College of Arts and Sciences School of Education	Bessemer City Birmingham City Dallas County Selma City	Jefferson County Tarrant City	Concordia College, Selma McWane Science Center, Birmingham

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. The project also introduces "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 CORD's GENEius Lab in Birmingham's McWane Science Center, which enhances their state-of-the-art science education. In past years BioTeach has enabled over 290 Alabama high school teachers to provide cutting-edge science education to their students. It continues in school-year 2011-2012 to advance the mission of state standards and the Alabama Course of Study for science.

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

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

Telephone: (205) 934 6086 **FAX:** (205) 934 5158

E-mail: jmwyss@uab.edu

Internet: www.uab.edu/cord

BioTeach Session Dates:

June 13 – July 1, 2011
September 17, 2011
October 15, 2011
November 19, 2011

Location:

Birmingham: McWane Science Center

BioTeach Express Session Dates:

July 18-22, 2011
July 25-29, 2012

Location:

Selma: Concordia College Chemistry Lab
and Lecture Room

⁸ High-need school district partners are those that meet NCLB criteria for percent of students in poverty households estimated in the U. S. Census Bureau's most recent report *and* high number of non-highly qualified teachers.

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

University Partners	High-Need School District Partner⁹
Department of Education Institute for Science Education	Tallapoosa 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 personnel from the arts and sciences at UAH and the Tallapoosa County School System, under the guidance of the UAH Office of International Programs and Services. The partnership will identify teachers from the system's schools who meet minimal criteria of excellence and consider them for an independent study scholarship of up to \$3,000 each. Scholarships for teachers in the partner school district will be 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 after 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

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

Followup Session:
Spring 2012 [Date TBA]

⁹ High-need school district partners are those that meet NCLB criteria for percent 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 Partners¹⁰	Other School District Partners	Other Partners
College of Arts and Sciences College of Education	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 art is 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
Linda Dean, Executive Director, AIEA

Address: AIEA: Alabama Institute for Education in the Arts (AIEA)
One Festival Drive
Montgomery, AL 36117

USA Arts in Education (AiE):
Department of Music
University of South Alabama
5751 USA Dr. S., LPAC 1072
Mobile, AL 36688-0002

Telephone: (334) 396 2432 [Dean] (251) 460 6697 [Fresne]

E-mail: bindadean@asf.net [Dean] jfresne@usouthal.edu [Fresne]

Internet: <http://www.artseducation.org>
<http://www.southalabama.edu/music/artsineducation>

AIEA Session Dates:
Alabama Institute for Education in the Arts (AIEA):
Summer Institute:
June 13-17, 2011
Integrated Curriculum Design Workshop I:
June 27-29, 2011

Location:
Montgomery
Montgomery

¹⁰ High-need school district partners are those that meet NCLB criteria for percent of students in poverty households estimated in the U. S. Census Bureau’s most recent report *and* high number of non-highly qualified teachers.

Integrated Curriculum Renewal:

Montgomery

[date TBA]

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.

AIE Session Dates:

Arts in Education: Elementary (AiE)

Planned Dates:

September 10, 2011

October 1, 2011

November 5, 2011

January 21, 2012

February 4, 2012

Location:

Mobile (all sessions)

Arts in Education: Middle School (AiE)

Planned Dates:

June 27-30, 2011

September 9, 2011

November 4, 2011

January 20, 2012

Arts in Education Reunion Retreat (AiE)

March 2012 [date TBA]

AiE Elementary and Middle School Mentoring Dates:

Scheduled individually between instructors and program participants, from August 2011 through April 2012