

**MILLERSVILLE UNIVERSITY  
COLLEGE OF GRADUATE AND PROFESSIONAL STUDIES**

**ALL APPROVED EDUCATORSOURCE WORKSHOP DESCRIPTIONS**  
(Available for Summer 2010)

**EDW 501: Strategies for Teaching about Genes and Genomes**

This workshop will equip teachers to explain abstract concepts associated with genetics and molecular biology in straightforward and understandable ways that emphasize how genes work and the impact they have on our health and everyday lives. Following a review of current concepts in genetics and molecular biology, participants will be guided in the construction, utilization and evaluation of a variety of tangible models that can be used in the classroom to illustrate abstract genetic processes more effectively. New technologies developed as a result of the Human Genome Project will be presented along with affordable laboratory experiments that demonstrate applications of biotechnology. On-line experience using genetic websites will demonstrate the value of these teaching resources. Those completing this workshop will gain experience with diverse teaching strategies that will facilitate the integration of modern genetic principles and methodologies into their classes. Strategies for teaching many of the State Academic Standards for Science and Technology in Biological Sciences will be included.

**EDW 502: Science-based Contemporary Issues**

The workshop will explain the chemistry of the substances of our everyday world, from the simplest substance such as sugar to the more contentious such as global warming. It will include but not be limited to questions of safety, of the impact of the use and disposal of consumer goods on the quality of the environment, of the meaning and measurement of pollution, designer drugs. Participants will update and expand their knowledge and skills of the fundamental concepts in chemistry needed to understand contemporary issues. Activities will focus on demonstrating how the science applies to everyday situations. The use of safe materials will be stressed throughout the workshop. The workshop is designed to provide a level of 'scientific literacy' that can be incorporated in the middle schools and high schools. It will address the State Board of Education Standards 3.2 A,B,D; 3.3 A,B; 3.4A;4.2A,B,D; 4.3 A,B; 11.1A; 11.3 A,B,C,D. No prerequisites.

**EDW 504: WebQuests in the Classroom**

This workshop will support K-12 teachers in planning, implementing, and reflecting on integrating the Internet into their curriculum. Participants will develop WebQuests for use in their classrooms. These projects will integrate cooperative learning and structured student investigation of problems using the Internet as a resource. Each participant will develop a WebQuest that will include selected resources for students, detailed planning of the instructional process, and authentic assessment of student work. Recommended for 3-12 educators. **(7 times)**

**EDW 505: Track & Field Coaching Workshop**

This workshop will be a comprehensive course in the coaching of track and field. Included will be the techniques and training of the individual events, scheduling of practice and organization of meets and officiating. Each event in track and field will be discussed through lecture, videotape, demonstration, hands-on skill development and question and answer sessions. All students will be involved in each area by his or her own participation with the covered skills. Recommended for educators in the health and physical education fields, and educators coaching track and field student-athletes.

**EDW 506: Artful Learning**

This one week workshop will partner teachers with artists to design lesson plans that infuse the arts into all subjects and at all levels using multiple intelligences, aesthetics, criticism, historical and Culture perspectives and arts production. The focus will be on learning and assessment through using the arts. The workshop will be conducted through experiencing the environments of working artists on site at the Fulton Opera House, The PA Academy of Music, the School of Art and Design and J.W. Price Elementary School in Lancaster. Recommended for K-12 art educators.

**EDW 507: Developing Multicultural Assessment and Teaching Strategies**

This workshop is designed for those teachers (K-12) and curricular experts who want to bring a more inclusive approach to their lessons and teaching style. Students will examine the Culture influences in the classroom with an emphasis on race, gender, exceptionality, and class issues. Students will learn to analyze and redesign their lessons to better meet the needs of all the children they teach. Recommended for K-12 educators.

**EDW 508: Using NASA Resources to Create Authentic Learning Experiences (K-12)**

Tests designed to measure the achievement of state or national standards (e.g. PSSA tests) need not be primary learning targets. NASA provides regional access centers, Teacher Resource Centers, Educational Specialists, and a wide range of on-line resources. Their learning activities are engaging and relevant to the real world. Appropriate standards are identified and assessment systems are suggested. A wide range of grade levels involving science, technology and mathematics are frequently the focus of NASA resources. Participants will develop a thematic learning experience.

**EDW 510: Introduction to MicroSoft Windows and Word Processing for Educators**

Introduces personal computers, word processing and how to use Microsoft Windows™. Topics include an introduction to the hardware and software of a personal computer and the use of Windows™ to manipulate documents and perform basic word processing. Participants should have little or no previous computer experience. (4 times)

**EDW 511: Read, Write, Learn: Reading Strategies for Content Classrooms, Grades 6-12**

Students never stop learning to read because reading is a complex set of skills, practices, and behaviors that must be adjusted for different kinds of texts and purposes for reading. Middle and secondary school teachers have become increasingly aware of the need to support adolescent readers as they gain strategies for reading with understanding and

engagement in the various academic disciplines. This workshop will assist teachers from all academic disciplines in a) finding the intersections in reading/literacy and their disciplinary goals for learning, b) developing a complex and personal definition of reading within their disciplines, c) identifying and supporting adolescents' emerging literacy needs, and d) designing "reading-to-learn" experiences within the content classroom that build student expertise and engagement in reading. **(1 time)**

**EDW 512: Nutrition for Health, Fitness, Performance & Weight Management for Educators**

This workshop provides teachers, coaches, as well as other individuals with a wide range of nutritional and dietary knowledge and skills. Special emphasis will be placed upon understanding the basic principles of nutrition; focusing on the six classes of essential nutrients to optimize their nutritional values for the enhancement and promotion of personal health, fitness, physical performance, and weight management. Recommended for educators at all grade levels, school nurses, coaches, and school counselors. **(4 times)**

**EDW 513: Plants in The School Environment**

This hands-on workshop emphasizes the importance and utilization of plants in the environment and in the classroom to enhance the occurrence and awareness of wildlife in and around the school. Field activities, including small group discussions and projects, will be experienced in both terrestrial and aquatic environments. Other activities will involve growth and utilization of plants in the classroom. Indoor activities will include experiments and establishing mini-environments utilizing terraria and aquaria. Educators from grades 3-12 will find information and materials from this workshop helpful in utilizing plants and in developing a successful environment for wildlife around their schools and school yards (city schools included). Recommended for K-12 science educators.

**EDW 514: Developing Computer Presentations for Classroom Instruction**

This workshop provides a background in the use of computer presentation programs such as PowerPoint and Astound. Through hands-on experiences, students will develop a series of computer presentations for use in an educational setting. Related topics include draw and paint computer software, instructional design, flowcharting, storyboarding, multimedia and digital media. Recommended for K-12 educators.

**EDW 516: Getting Started in Macintosh Desktop Publishing: Creating Educational Materials**

This workshop is designed to assist classroom teachers (K-12) with understanding and utilizing the Macintosh desktop publishing system. Hands-on activities using various software packages will be provided so that educational materials and activities may be created and produced. Prior Macintosh experience is helpful but not required. Recommended for K-12 educators.

**EDW 517: Teaching About Religions: What Every Teacher Should Know**

This workshop is designed for public school elementary and secondary teachers and administrators who seek resources for teaching about the world's religions, staying within

legal parameters established through legislative and judicial processes. The workshop content includes the basic beliefs and practices of world religions, with an emphasis on the religious groups within our local communities. Recent legal decisions affecting religious activities in public schools will be examined. Readings, discussion, use of community resource persons, and development of teaching units are included in workshop activities. Recommended for 7-12 social studies educators. **2 times**)

**EDW 518: Hands - on Minds- on Science**

The national science standards advocate “scientific literacy” for all students. What does this mean and how can it be achieved? This online workshop provides educators with an in-depth study of purpose/goals of the national science standards and details ways to implement these standards in the classroom. Participants will work extensively with the National and PA State Science Standards as they reflect on their own practice and endeavor to develop lessons that exemplify the goals of the science standards. **(7 times)**

**EDW 519: Creating Web Sites for Use in the Classroom**

Teachers will create their own web sites combining knowledge of graphic and information design. They will also design activities, which integrate student-developed web sites into their curriculum. Recommended for K-12 educators.

**EDW 520: An Introduction to Light Bright Graphics**

This workshop is designed to assist teachers (K-12) create, edit and manipulate images for use in classroom activities or administrative materials using Photoshop®. Prerequisite EDW 601: Introduction to the Macintosh Computer or permission of instructor. Recommended for K-12 educators.

**EDW 521: An Introduction to String Art Graphics**

This workshop is designed to assist teachers (K-12) create, edit and manipulate graphic images for use in classroom activities, instruction or for administrative materials using Illustrator® or other vector programs. Recommended for K-12 educators.

**EDW 522: Using LEGO LOGO to Integrate Classroom Content Through Problem Solving Activities**

This workshop is designed to introduce teachers to Lego®Logo, an interdisciplinary teaching tool which will allow students to learn critical thinking and problem solving skills through “hands-on” activities. The workshop will focus on the integration of machines and robotic devices into the curriculum to enhance the teaching of problem solving skills. Emphasis will be placed on designing activities for classroom use. This workshop is suitable for teachers, grade levels 3-12, and prior experience with computer programming or Lego® is not required. Recommended for 3-12 educators. **(1 time)**

**EDW 523: Using Courseware to Design Interactive Websites**

Create web sites with automatically graded homework, assignments, quizzes and tests. Give students instant and continuous feedback on their progress. Facilitate on-line chat, group projects and conferencing. Recommended for K-12 educators. **(2 times)**

### **EDW 525: Hands-On Physical Sciences For Elementary and Middle-School Teachers**

Teachers will update their skills in the physical sciences by participating in hands-on science activities appropriate for use in elementary and middle school classrooms. Activities will focus on investigations, which can be integrated with commercial science texts and/or be integrated with math and language arts activities. The use of readily available, safe materials will be emphasized throughout the course. Recommended for elementary and middle school science educators. **(4 times)**

### **EDW 526: Recreational Math Projects for K-12 Classroom Use**

In this workshop, teachers become familiar with and analyze the mathematical aspects of games, puzzles, parlor tricks, geometrical constructions, and other interesting areas of recreational mathematics. They will also discuss ways of presenting mathematical games in the classroom in a way to enhance student interest in mathematics. Recommended for K-12 math educators. **(3 times)**

### **EDW 530: Current Middle School Issues**

An examination of related research, learning theory, and “the wisdom of practice” for middle level education. Emphasis will be on participants learning through experience and activities which have practical application for their own individual educational environment. Workshop focus will be active learning and reflection. Evaluation will be performance-based. Interdisciplinary teaching, scheduling, performance assessment, student advising, developmental issues, multiple intelligence, motivation, diversity, inclusion, classroom management, and parental involvement will be addressed. Recommended for 6-9 educators.

### **EDW 532: Land, Water, Wildlife Classroom Perspective, K-8**

Environmental and conservation concepts for land, water, and wildlife will be integrated by Millersville University faculty, Project facilitators, and wildlife agency representatives. Participants will take part in many field experiences selected from the Project K.A.R.E., Project Wild, and Project Learning Tree activity guides. Each participant will receive the activity guides and Pennsylvania-specific information and resource materials. Educators, K-12, will find these materials easy to integrate into current curricula. Recommended for K-12 science educators. **(5 times)**

### **EDW 533: The Connected Classroom on a Dime: Web 2.0 in Education**

With the advent of Web 2.0 applications, teachers have new opportunities for collaborating with one another, communicating with the community and educating students. The terms Web 2.0 and emergent technology refer to a host of online resources and applications that support sharing of information between users. The web has evolved from a series of static, isolated pages of information into an interactive, collaborative, social network of applications. This workshop provides educators with a comprehensive look at different emergent technology and how these Web 2.0 applications can be used to promote student learning. **(1 time)**

### **EDW 535: Effective Classroom Assessment Methods**

Design, construction, and evaluation of classroom assessment methods and materials are the object of this workshop. The workshop features hands-on practice in clarifying objectives; developing assessment blueprints; constructing objective tests; writing prompts and rubrics for assessing writing, performances, and performance products; writing prompts for self-reflection and affective-domain objectives; and creating portfolio assignments. Other topics covered include principles of sound assessment, choosing appropriate assessment tools, helping poor test takers, analyzing objective test results to improve test items, assessing the validity and reliability of assessment techniques, and selecting a published assessment instrument. Students experience many of the concepts covered by creating their own portfolio of assessment tools, engaging in self-reflection, and using classroom assessment techniques. Recommended for 6-12 educators. **(1 time)**

**EDW 536: Homemade Manipulatives for Key Concepts in Elementary Mathematics**

The NCTM standards (National Council of Teachers of Mathematics) recommend increased attention be given to the instructional practice of using manipulative materials in grades K-4 and using concrete materials in grades 5-8. Teachers will leave this workshop with concrete materials, which they have made to help in teaching the key concepts of elementary school mathematics. They will be instructed on how to make and use the materials most effectively in their classroom. Intended for elementary and middle school teachers and administrators, especially those instructing special education students and students who have difficulties in learning/applying mathematics. Recommended for elementary and middle school math educators. **(4 times)**

**EDW 538: Classroom Discipline and Modification of Problem Behavior, K-12**

This workshop provides teachers with skills in identifying classroom discipline problems, applying instructional/management strategies designed to prevent or correct these problems, and employing strategies to maintain desired classroom atmosphere. After an overview of approaches to discipline and their underlying principles, teachers will be encouraged to choose guidelines, strategies, and patterns which will lead toward student self-control. Recommended for K-12 educators. **(5 times)**

**EDW 539: Children's Moral Development**

This workshop explores how and why children's and adolescents' ethical values and attitudes evolve. Various theories of ethical development and ethical decision-making are examined and evaluated. Teachers of all grade levels, K-12, have an opportunity to survey available moral development materials and develop their own materials for classroom use. Practice in techniques such as discussion group management and utilizing role-playing will be provided. Recommended for K-12 educators. **(1 time)**

**EDW 540: Managing New Technology for Effective Instruction and Assessment**

In districts across the state, teachers are encountering new tools for use in their classrooms. With new instructional technologies such as wireless laptops and interactive whiteboards, teachers have the ability to create lessons that promote new means of interacting with students instructionally. This face-to-face workshop is intended to help teachers manage new instructional technologies within the existing classroom yet create a collaborative culture that fosters collaboration. **(1 time)**

**EDW 542: Teaching the Writing Process**

This workshop is for teachers of elementary, middle, and junior high school students who want to learn how to use practical, uncomplicated approaches to the teaching of written communication. Among the topics will be: (1) the fundamentals of a writing program, (2) creating a variety of audiences, (3) the interrelationships of oral and written communication, (4) activities which support writing and speaking programs, (5) private and public writing activities, (6) overcoming the paper load, and (7) basic steps to a successful program. This workshop serves teachers of all subject areas. **(1 time)**

**EDW 545: Wellness for Children with Physical or Sensory Concerns**

EDW 545 is an online, distance learning workshop designed to provide Physical Education teachers, Health instructors, Special Education teachers, and school nurses an in depth view of the limitations and recommendations of wellness-related issues for those children with special needs. By completing this workshop, participants will better understand the pathology of different types of disabilities found in children. In addition, participants will be able to explain how exercise and/or nutrition may hinder or enhance the well being of these children. The class sessions, or modules, will be conducted using online courseware (Blackboard). The format of class modules will include a mix of online lectures and discussion as well as the creation of teaching and/or research projects.  
– New – Spring 2009

**EDW 546: Intermediate Activities in Still Photography**

A workshop designed to provide teachers with additional skills in black and white photography. Lectures, projects, and demonstrations to be included are: use of polycontrast filters, dodging and burning, time exposures, push processing, studio lighting, infrared photography, flash exposures, and copy techniques. Opportunity will be provided for teachers of all grade levels and disciplines to pursue areas of personal interest for their classroom: photo essays, bulletin board displays, creative writing pictures, story starters, vocabulary development. Recommended for K-12 educators. **(2 times)**

**EDW 547: Basic Still Photography (2009,**

A workshop dealing with fundamentals of black and white photography. Basic principles will be demonstrated by the instructor and applied by the workshop participants in practical, picture taking and print making assignments that can be used in the classroom and school. Aesthetic and technical aspects of photography will be included in units of work including camera handling, motion and depth of field control, film development, contact printing, enlarging, print mounting and toning. Recommended for K-12 educators. **(2 times)**

**EDW 548: Integrating Technology Standards Across the Elementary Curriculum**

This workshop provides an opportunity for elementary school teachers to explore and develop hands-on activities that promote learning, stimulate student interest and generate excitement about Pennsylvania's Science and Technology Standards. Participants will

examine the interdisciplinary nature of communication, manufacturing, construction and bio-related technologies. They will develop strategies for integrating these technology concepts with the traditional elementary school curriculum. Recommended for elementary educators. (2 times)

#### **EDW 549: Primary Source Investigations**

This workshop uses the modern forensic techniques of cultural studies to excavate underserved voices from history and to create from them plagiarism-proof writing assignments that intrigue both students and teachers. Examining primary sources, workshop participants will learn how to exhume a new view of history from ordinary, quirky, and sometimes even bizarre individuals who have been ignored, forgotten, or left out of the record and to transform them into narrative, research, and analytical writing projects suitable for English and history classes. New – Fall 2009

#### **EDW 551: Successful Coaching**

This workshop, open to coaches or prospective coaches of any sport, is designed to develop the major areas of knowledge pertinent to the profession of coaching. The American Coaching Effectiveness Program (ACEP), dealing with sport philosophy, psychology, pedagogy, physiology, medicine, and management will be presented. Students, who desire, may take the ACEP Level I certification exam. Qualities, obligations, responsibilities, and the various roles of a coach will be discussed. Other topics will focus on sport governance, budgets, equipment management, time management, liability guidelines, nutrition, weight training, media, officials, and admissions and financial aid procedures. Recommended for educators who are coaches or prospective coaches, athletic directors, athletic trainers, and educators in the Physical Education fields.

#### **EDW 552: Theory of Basketball Coaching**

This workshop will cover the major theoretical, technical, and practical aspects of coaching the game of basketball with emphasis on individual skills. Lectures, on-floor demonstrations, film analysis, and handouts will be the primary modes of instruction and emphasis will be given to on-the-floor application and teaching. Workshop participants will be introduced to and learn the North Carolina Defensive Philosophy, the Providence College 3-point game and various other schools' philosophies. The fundamental breakdown drills will be introduced first. Each participant will help in organizing a playbook and reference guide. Recommended for educators in the health and physical education fields, and educators coaching basketball student-athletes.

#### **EDW 553: Team Applications of Basketball Coaching**

This workshop will cover theoretical, technical, and practical aspects of coaching basketball. Emphasis is on team applications, as they apply to game situations. End-of-game situations and the use of time-outs will be reviewed. Out-of-season conditioning as well as improvement programs for individual positions will be discussed. Recommended for educators in the health and physical education fields, and educators coaching basketball student-athletes.

**EDW 554: Advanced Web 2.0 Applications for the Integrated Classroom**

With the advent of Web 2.0 applications, teachers have new opportunities for collaborating with one another, communicating with the community and educating students. The terms Web 2.0 and emergent technology refer to a host of online resources and applications that support sharing of information between users. The web has evolved from a series of static, isolated pages of information into an interactive, collaborative, social network of applications. This workshop provides educators with a comprehensive look at different emergent instructional technologies and how these advanced Web 2.0 applications can be used to promote student learning.

Prerequisite: EDW 533 Web 2.0 in Education

**EDW 555: Physical Education for the Elementary School Child**

This workshop presents modern teaching strategies and procedures for elementary teachers interested in gaining knowledge and creative ideas in the area of elementary physical education. Athletic ability is not expected; informal attire encouraged. All necessary sports equipment provided by the University. Recommended for K-8 physical education teachers.

**EDW 558: Technology of Making Things to Teach Traditional Subjects**

Workshop activities include design and construction of teacher-made learning stations and classroom materials. The workshop is designed to use technology as a vehicle to teach traditional subject matter, such as mathematics, science, social science, English, and other academic areas. Participants will be exposed to the history of technology and to technological principles. Recommended for K-12 educators. **(18 times)**

**EDW 560: Production and Utilization of Visual Materials in the Curriculum, K-12**

A workshop designed to provide teachers, K-12, with a basic background in the production of visual materials. Participants will develop learning activities and Learning Center based on their classroom needs. Special emphasis on modern use of photography. This is project-oriented workshop. Recommended for K-12 educators. **(10 times)**

**EDW 561: Restructuring Schools in the Information Age: Learning Materials & Techniques for Secondary Education 6-12**

An examination of innovative and creative learning and teaching styles will be conducted in seminars and group discussions. Preparations and production of innovative learning activities, materials and lessons to improve and enhance the learning environment of the modern secondary classroom will be the major emphasis of the educational themes studied in the workshop format. Recommended for 6-9 educators.

**EDW 564: Mammals in the Environment**

This “hands-on” workshop is designed to teach the basic biology of mammals and relate that to teaching at both elementary and secondary levels (grades 1-12). Although emphasis will be placed upon the mammals native to Pennsylvania, issues of conservation, behavior, anatomy and physiology related to mammals from around the globe will be presented. Participants will design projects, which can be used in their own

classes. This course will involve outdoor activities, and each participant should be able to do light hiking and walking. Recommended for K-12 science educators.

**EDW 566: Enhancing STEM Education through 3D Modeling and Design**

Teachers will learn how to utilize 3D modeling to aid students in visualizing 2D concepts, as well as for conceptual design development, presentation, and evaluation of design alternatives in the classroom. SolidWorks and Autodesk Inventor will be predominantly used for drafting and design purposes.

**EDW 567: Parenting and Family Issues for the Teacher, K-12**

This course assists elementary and secondary instructors in the analysis of the latest research, information, and techniques for dealing with family and social issues as they affect their students. Areas of emphasis will include parenting, multi-faceted family structures (single, divorced, stepparents, and blended families), peer relationships, and stresses on students. Updated information will be available on sex drugs, alcohol, and abuse.

**EDW 569: Video Studio Production II**

This workshop addresses advanced theories and applications of mass communication for teachers to incorporate into their classrooms. The class will include discussion of and participation in video production in a studio setting, in field production, and analog and non-linear editing. The course is designed for teachers in grades K-12.

**EDW 570: Architectural Illustration**

This workshop will provide an introduction to rendering and layout techniques used in architectural illustration and presentation. Techniques will include pencil, colored pencil, ink, watercolor washes and the use of the airbrush for applying mixed media to illustration board. Students will layout projects from projectors, develop two-point perspective drawings, and use computer-generated layouts. Computer-generated illustrations and sample walk-throughs will also be discussed. Recommended for middle and high school educators.

**EDW 577: Producing and Directing the School Play**

This workshop will provide theory, practice, and resources for the production of plays and musicals in the school setting. From initial script choices to set strike, this workshop explores how quality theatrical productions can be achieved, regardless of the size of the budget, the quality of the facilities, or the experience level of the director. While the workshop is designed primarily for the high school teacher who will direct full-length productions, elementary school teachers may also find the resources and information of use.

**EDW 578: Performance-Based Assessment, K-12**

This workshop provides teachers with a vision of performance-based assessment, including use of rubrics, portfolios, and other contemporary assessment tools. Criteria for selection of assessment practices and standards for "authentic" performances will be studied. Performance-based educational principles will be used to design authentic

assessment activities, and participants will work collaboratively to develop activities for use in the classroom. Recommended for K-12 educators. **(3 times)**

**EDW 581: Application of Mental Training Skills for Coaches and Athletes**

This workshop will focus on the latest psychological skills training techniques for both coaches and athletes. The latest techniques in Neuro-Linguistic programming and its implications for coaches and athletes will be utilized. Materials and exercises from the American Coaching Effectiveness Program, Level II Sport Psychology course will be presented. The course will emphasize how to make sport psychology work through numerous active learning experiences. Recommended for educators who are coaches or prospective coaches, athletic directors, athletic trainers, school counselors, physical educators, and educators interested in implementing motivational strategies for learning in their classrooms.

**EDW 582: Baseball & Softball Coaching Workshop**

This workshop is designed to develop coaching techniques, provide counseling information, and discuss administrative responsibilities and organizational skills for baseball coaches and fast pitch softball coaches at the junior and senior high school levels. Attention will be given to indoor and outdoor practice techniques with a special emphasis on repetitive drills. An in-depth presentation will be given on the counseling of athletes who will need financial assistance upon entering college. Emphasis will be placed upon the administrative duties required of junior and senior high school coaches. Recommended for educators in the health and physical education fields, and educators coaching baseball and softball student-athletes.

**EDW 585: Introduction to Airbrush Illustration**

This workshop will provide a general introduction to the use of the airbrush for lettering, shading and material representation; preparing graphic presentations; and fabric design applications. Experiences will be provided using various inks, dyes and paints; friskets and masking techniques; different types of paper and illustration board; and layout methods. Recommended for middle and high school educators.

**EDW 588: Advanced Macintosh Desktop Publishing**

This workshop is designed to provide teachers (K-12), with an in-depth understanding of how to use software for text composition, graphics, and page layout on the Macintosh desktop publishing system. Hands-on activities using PageMaker and/or other software will be provided for the design and production of electronically published materials. Prerequisite is at least one prior course on the Macintosh computer. Recommended for K-12 educators.

**EDW 589: Creating a Visually Stimulating Classroom Environment, K-12**

Creative ideas and activities, such as art and drama, and modern techniques, such as airbrushing, will be used to develop projects to enhance the classroom atmosphere. Integration among the areas of mathematics, social studies, science, and language arts is emphasized. This is an active, project-oriented workshop. Recommended for K-12 educators. **(30 times)**

### **EDW 590: Music Desktop Publishing for the Music Teacher: An Introduction to Finale**

This workshop provides the music teacher with a background in the uses of Finale, a widely used music notation software program in the music profession. Workshop participants will receive hands-on experience in using the Finale tools, entering notes into music scores manually with a mouse and via music keyboard, editing compositions, creating MIDI files for playback, and music printing. Participants will use the notation software to create and edit lead sheets, piano music, and instrumental scores. Recommended for K-12 music educators.

### **EDW 593: HIV and AIDS: Current Strategies for Educators**

This course is designed to explore the latest principles and theories for reducing the risk of STDs, HIV and AIDS among today's students. AIDS is now the leading cause of death among Americans aged 25 to 44, surpassing accidental deaths, heart disease and all cancers. Twenty-five percent of new HIV infections are estimated to occur in people between 13-20 years of age. Participants attending this course will receive practical prevention strategies and techniques that take into account Culture beliefs, the effects of media and advertising, and social stigmas. Participants who complete the course will also receive certification in Blood Borne Pathogen Prevention to help minimize their risk of contracting TB, Hepatitis A, B and C, as well as HIV/AIDS. Recommended for both middle school and high school health teachers as well as certified athletic trainers, school nurses, and guidance counselors.

### **EDW 594: Grammar Update for Secondary Teachers**

This content-oriented workshop has two purposes--first, to provide secondary teachers with an intensive review of traditional English grammar, including usage, mechanics, parts of speech, phrase and clause structure, and diagramming; second, to develop in secondary teachers an attitude toward the teaching of traditional English grammar shaped by the insights of contemporary linguistic theory, including the relation of "good grammar" to dialect, style, linguistic change, reading instruction, and writing instruction. Recommended for middle and high school language arts or English educators. **(1 time)**

### **EDW 595: Athletic Injury Care for Coaches**

This workshop will offer students an opportunity to learn more about the field of athletic training. Areas that will be covered are prevention and management of athletic injuries, return to competition, taping and wrapping laboratory, and administration of a sports medicine program. Relevant topics such as substance abuse and nutrition will also be examined. Recommended for those at the elementary or secondary level who work with athletes in the prevention, recognition and management of injuries. **(3 times)**

### **EDW 596: Computer Data Acquisition in the Chemistry Lab**

The workshop is a laboratory-based course for high school chemistry and physical science teachers who wish to use computers in the laboratory for data acquisition, graphing and data analysis. The workshop will provide hands-on experience using

Vernier sensors, the LabPro interface, Logger Pro software to collect and analyze data from a variety of chemical experiments. Recommended for high school chemistry & physical science educators.

**EDW 597: Meeting Standards in Environment and Ecology**

Experiencing Environmental Education is a workshop designed to expand a teacher's background in environmental education through an interdisciplinary approach emphasizing awareness, knowledge and skills, and movement toward informed decision making as inhabitants of finite a planet. Depending upon the workshop site, a minimum of two days are spent in an environmental facility within driving distance of the original location. Training is provided in such activity-based programs as Project Wild, Project Learning Tree, and REEP (Regional Environmental Education Program), an excellent K-9 program that may be used as a supplementary program or as an Environmental Education curriculum sequence. Plenty of "hands-on" and free material come with the course. Recommended for K-9 science educators. **(5 times)**

**EDW 603: Chemistry in Art I: Teaching Science by Making Paints**

This laboratory-based workshop promotes interdisciplinary cooperation by providing science, art and technology teachers (grade 6-college) with activities, experiences and resource materials for the integration of science and art around the broad theme of paints and paint making. It is also open to artists desiring more scientific information regarding paint media or who may wish to work with teachers as an artist-in-residence. Topics will include: light and color; making pigments and dyes; preparing watercolor, egg tempera, oil, and acrylic paints; and making frescos, crayons, pastels and inks. Recommended for middle school and high school science, art and technology teachers.

**EDW 604: Problem Solving Using Spreadsheets**

This workshop examines in detail how to use computer electronic spreadsheets as a vehicle for problem solving. It will be primarily oriented toward educators who wish to develop their students' ability to solve problems and educators who wish to learn electronic spreadsheets. Topics will include how to incorporate electronic spreadsheets into the classroom. The workshop will devote time to thorough coverage of spreadsheet techniques before embarking on the problem solving material. **(2 times)**

**EDW 608: Creating iMovies with the iMac**

Teachers (K-12) will experience the creation of movies for classroom use and instruction using digital camcorders, iMovie ® and iMac DV. Recommended for K-12 educators. **(4 times)**

**EDW 609: Integration of Microcomputer Technology in the Curriculum**

This workshop will explore various aspects regarding the integration of technology into the K-12 curriculum. Extensive use of computer technology in the classroom is the central focus of this workshop. Specific applications include use of the Internet, presentation software, and productivity software as instructional tools that are examined

and utilized in the development of educational activities directly related to the learner's current professional assignment. Recommended for K-12 educators. **(4 times)**

**EDW 614: An Interdisciplinary Approach to Studying Environment and Ecology**

This workshop is designed for teachers seeking to expand their experiences with environmental education. The course emphasizes the human impact upon the environment. The workshop is a full week of "hands on" activities with four of the five days spent at environmental sites. Based upon availability, a Chesapeake Bay Foundation Trip is scheduled. In addition, we have scheduled trips to landfills, incinerators, water companies, wastewater treatment facilities, recycling centers, fish hatcheries, and other available local facilities. Some of the trips may require hiking shoes or deck shoes. Actual site visitations will be experienced by teachers in an effort to transfer their experiences to students, be able to replicate the experiences with their students, and to develop awareness about the effects of humans on the environment. The workshop will also connect the experiences to the PA Standards for Environment and Ecology. Recommended for K-12 science educators. **(3 times)**

**EDW 618: Healthy Lifestyle Assessment and Promotion for Educators**

This is an online workshop designed to provide educators as well as other individuals with a wide range of tools found on the World Wide Web to evaluate and promote healthy lifestyles. Workshop participants will learn how to use online resources necessary for researching, teaching, and assessing healthy lifestyles. The class sessions, or modules, will be conducted using courseware. The format of class modules will include: a mix of online assessments for physical, emotional, intellectual and environmental health; development of a healthy lifestyle profile; examination and evaluation of online resources; and the creation of teaching and/or research projects. Recommended for all educators at all grade levels, especially physical educators and coaches, school nurses, and school counselors.

**EDW 619: Stress Management for K-12 Educators: In and Out of the Classroom**

This is a comprehensive workshop that will provide specific knowledge and skills to assist educators in understanding and applying the principles of stress and stress management in their professional and personal lives. Special emphasis will be placed on providing hands-on and practical strategies for the development and implementation of individual and classroom stress management plans. Recommended for elementary and secondary educators as well as counselors working in public and private schools. **(13 times)**

**EDW 620: Using Microsoft Publisher to Develop Instructional Materials for the Classroom (IBM)**

This workshop for teachers K-12 will utilize Microsoft Publisher and other appropriate applications as needed to create newsletters, brochures, catalogs, flyers, signs, calendars, and other items relevant to the participant's curriculum and school. Recommended for K-12 educators. **(2 times)**

**EDW 635: Non-Traditional Approaches to Drawing K-12 Teachers**

Participants in this high-energy workshop will develop a personal connection to drawing and will expand their understanding of art making. Each participant should expect to be inspired and to carry that inspiration into the classroom as they discover new ways of thinking about drawing. Each participant will be engaged in rigorous, open-ended exercise that demand risk-taking and decision-making. Making drawings from observation, memory and intuition will be a large component of the workshop.

**EDW 626: Creating a Classroom Publishing Center**

A variety of binding techniques will be used to produce teacher-made books that will motivate students and enhance publishing centers in the K-12 classrooms. Resources utilized will include classroom book binding supplies, creative layouts and content presentation strategies that are appropriate for learners at different developmental levels. The books produced will emphasize the teacher's individual classroom content. Recommended for K-12 educators. **(7 times)**

**EDW 628: Preparing Students to Meet Workforce Needs, 4-12**

Designed for teachers and counselors, this workshop will explore how technical and personnel changes in the workforce during the next decade will affect the nature of the educational experience across all grades and subject areas. The emphasis will be on learning about the process and products of modern industries, businesses and service organizations and how the school curriculum can provide students with the skills needed to succeed in the work place. Recommended for 4-12 educators and guidance counselors. **(5 times)**

**EDW 631: Appreciating Diversity: A Communication Approach to Creating Emotionally Safe Schools**

This course is designed to help teachers create a climate of "emotional safety" within their classrooms. The course content is built around the video series, "Talking Tolerance." The series includes three different elements: Nine individual segments that address topics such as bullying, racial discrimination; cliques, and media influences on behavior; a parent video that examines the parents' role in addressing concerns expressed by students; and a teacher video that presents ideas about the teachers' role in creating an emotionally safe school environment. **(3 times)**

**EDW 632: Creating Brain-Friendly Environments**

This workshop is an introduction to the latest brain research and its implications for the educator. Topics covered include: brain structure and the function of each lobe; the role of emotion in learning; the nature of attention; how memory works; how the brain makes meaning; the characteristics of brain-compatible environments; and brain-compatible teaching and learning strategies. Through a variety of experiences and activities throughout the week, students will learn to prepare dynamic lessons that will be more effectively received and remembered.

**EDW 636: Personal Fitness and Wellness**

A workshop designed to provide teachers and administrators with the knowledge and skills necessary to develop, initiate, and sustain a program of personal fitness and wellness. Students will be introduced to current trends in fitness and wellness and be

given the opportunity to complete selected fitness assessments. Special emphasis will be placed on strategies for integrating wellness content into a variety of disciplines, and participants will develop sample wellness activities for their students and co-workers. This workshop does not require rigorous physical activity, nor is it intended for physical education teachers. Recommended for educators at all grade levels, school nurses, and school counselors. **(8 times)**

**EDW 637: Teaching Health Issues and Concerns for the Adolescent**

The goal of this workshop is to demonstrate, discuss, and evaluate various teaching strategies related to adolescent health issues and concerns. Also, it will assist participants in recognizing and understanding the variety of teaching methods and strategies, which may be utilized, in adolescent health education. Recommended for all middle school and high school educators, including school nurses and physical educators.

**EDW 638: Teaching Human Sexuality and HIV/AIDS in the Schools**

Participants will demonstrate, discuss, and evaluate various teaching strategies related to human sexuality and HIV/AIDS education. The workshop will assist participants in recognizing and understanding the variety of teaching methods and strategies, which may be utilized in human sexuality and HIV/AIDS education. Participants will become more knowledgeable about human sexuality and HIV/AIDS issues and will examine their personal attitudes and improve their communication skills in order to effectively address human sexuality and HIV/AIDS in the classroom. Recommended for educators at all grade levels, school nurses and physical educators.

**EDW 641: Birds in the Environment**

This "hands-on" workshop is designed to teach basic bird study and its application to teaching at the elementary (grades 1-8) level. Various techniques involving birds of the urban, suburban, or rural schoolyard will be used to illustrate basic concepts of ecology, biology, and animal behavior. Participants will design projects, which will be used in their own classes. This is an active outdoor course; each participant should be able to do light hiking and walking. Recommended for elementary and middle school science educators. **( 3 times)**

**EDW 642: Principles and Philosophy of Coaching Football**

This workshop will offer students an opportunity to learn more about the complexities of coaching modern-day football. Topics include basic philosophies of being a football coach, offensive theory and game plan, defensive theory and game plan, kicking game theory and game plan, and total organization of a football program. Relevant topics such as drug and alcohol prevention and strength training will also be discussed. Recommended for educators in the health and physical education fields and educators coaching football.

**EDW 647: Internet for Educators**

Educators will use the Internet to access, retrieve, and download information from around the globe. They will design performance-based learning activities to meet their

curriculum needs at their educational level. Participants will learn to develop and manage an Internet environment. Recommended for K-12 educators. ( **4 times** )

**EDW 648: Pennsylvania Standards-Based Learning Centers (K-12)**

This workshop provides teachers with the knowledge base and skills to design and construct standards-based Learning Centers that differentiate for levels of learning, are self-sustaining and use self-assessment techniques. Teachers will learn to implement strategies for integrating standards in thematic and teaming environments. Participants will work extensively with the State Board of Education of Pennsylvania Chapter 4: Academic Standards and Assessment, Appendix A - Academic Standards, and Proposed Academic Standards. Recommended for K-12 educators. ( **30 times** )

**EDW 650: Using Computers to Develop Visual Materials for the Classroom**

This workshop provides teachers (K-12) with an opportunity to develop curriculum and display materials for the classroom, using a variety of graphic software packages including Print Artist, Print Shop, PC Painter, Power Point, CorelDRAW, Ami Pro and others. Recommended for K-12 educators. ( **6 times** )

**EDW 653: Teaching Health Issues and Concerns, for Elementary and Middle School Age Children**

The purpose of this workshop is to demonstrate, discuss, and evaluate various teaching strategies related to elementary and middle school age children. Participants will be assisted in recognizing and understanding the variety of teaching methods and strategies, which may be utilized in elementary and middle school health education. The course will assist participants in becoming more knowledgeable about elementary and middle school health issues. Recommended for all elementary and middle school educators, including school nurses and physical educators.

**EDW 659: Multiple Intelligences: Practical Classroom Applications**

This one week workshop is designed to assist classroom teachers (K-12) in the understanding and practical application of Howard Gardner's Theory of Multiple Intelligences. Hands-on activities and strategies for each of the intelligences will be provided along with guidelines for curriculum development, lesson planning, assessment, and the use of technology in developing potential. Recommended for K-12 educators. ( **1 time** )

**EDW 660: Meeting Aquatic Standards in Environment and Ecology**

This workshop is designed for teachers seeking to expand their experiences with environmental education in general and with our water based environment in particular. Based upon availability, a Chesapeake Bay Foundation Trip is scheduled. At least two other days are spent in aquatic stream sites testing for stream quality based upon "critters" found in the stream. Chemical tests are also performed to determine dissolved oxygen level, pH, nitrate level and other abiotic factors. Stream shoes are needed. Students should also be aware that some walking to the sites is required. The workshop will also connect the experiences to the PA Standards for Environment and Ecology. Recommended for K-12 science educators. ( **5 times** )

**EDW 674: Adolescent Girls and Self Concept**

This workshop will present research on the development of self concept in adolescent girls. Attention will be given to the factors contributing to the socialization of girls both in society and in school settings. Participants will learn strategies which empower girls, facilitate their development of voice and encourage their interests in the study of nature. Recommended for 7-12 educators, nurses and counselors.

**EDW 675: Strategies and Materials For Standards-Based Elementary and Early Childhood Curriculum**

This workshop provides elementary, early childhood and special area (art, music, etc.) educators the opportunity to examine and evaluate national and state academic and curriculum standards, and to produce developmentally appropriate teaching and assessment materials, such as games, Learning Center and diagnostic manipulatives which will contribute to the mastery of those standards. **(1 time)**

**EDW 679: Engaging Learners in Extended Time Settings**

Middle School and High School teachers, this interactive workshop is packed with a plethora of instructional strategies you can employ into your classroom to engage all students. Topics include: motivation, classroom management, building a classroom community, multiple intelligences, teaching and learning styles, creativity in the classroom, teaming, working effectively in committees, how and why we learn, student diversity, children with special needs, technology, assessment, how to maintain student attention in an extended learning time model, and much more. Participants will be encouraged to practice the actual strategies and network in a collegial manner. Recommended for K-12 educators. **(7 times)**

**EDW 682: Enhancing Self-Esteem and Assertiveness Skills: Strategies For Teachers**

This workshop will allow participants to explore and assess their personal self-esteem and assertiveness skills. Participants will be involved in a variety of self-awareness and role-play activities. Strategies will be explored for assisting elementary and secondary students with enhancing their self-esteem and assertiveness skills, which can be utilized in a variety of health behaviors and health risk situations. Recommended for educators at all grade levels, coaches, and school counselors.

**EDW 686: Using PowerPoint to Develop Instructional Materials for the Classroom (IBM)**

This workshop for teachers K-12 will utilize computers for the development of electronic presentations, transparencies, and supplemental classroom materials. The primary software will be PowerPoint by Microsoft; it will be supported by Print Artist, Task Force Commander, and other software to enhance PowerPoint's effectiveness. Recommended for K-12 educators. **(5 times)**

**EDW 687: Using PowerPoint to Develop Instructional Materials for the Classroom (MAC)**

This workshop for teachers K-12 will utilize Macintosh computers for the development of electronic presentations, transparencies, and supplemental classroom materials. The primary software will be PowerPoint by Microsoft; it will be supported by other graphics software to enhance PowerPoint's effectiveness. Recommended for K-12 educators.

**EDW 690: An Introduction To Algebraic Topics With a TI Graphing Calculator**

Graphic calculators are powerful tools for doing mathematics. This workshop is an introduction to integrating one of these machines, the TI-83, into the mathematics classroom. Participants will learn how to operate the calculator as well as apply it to the teaching of mathematics. Topics include: solving equations and inequalities graphically, manipulating graphs of functions, calculating single and multi variable statistics, curve fitting to data, solving comprehensive problems, and doing financial calculations. (1 time)

**EDW 693: Cadaver Dissection: Human Anatomy and Histology**

This workshop will provide the participant first-hand experience in dissecting human cadavers and is designed for teachers of 11-12th grade anatomy and physiology. Participants will learn human anatomy and dissection techniques on human specimens while comparing human structures with those of the cat. Histological study of various systems will be observed and images recorded on compact disc (CD) for use in the participant's classroom. In addition, the participant will learn special microscopy techniques that will result in the production of fluorescent images demonstrating various cell structures. These images will also be recorded on CDs that can be used for demonstration in their own classrooms. Each participant will design specific uses that integrate these images into their curriculum. Recommended for high school anatomy and physiology educators.

**EDW 695: Advanced PowerPoint for Classroom Presentations (Mac)**

This workshop for teachers K-12 will utilize PowerPoint's advanced functions as well as related software and Internet sources for developing presentations and supplemental classroom materials. Recommended for K-12 educators. (1 time)

**EDW 705: Developing Student Leaders Through High & Low Ropes Facilitation**

This workshop is intended to provide participants with a checklist of procedures, techniques, and responsibilities for developing student leaders through high and low ropes course activities. The workshop will provide participants with theoretical aspects of leadership development with direct hands-on experience participating in team building activities on the Millersville University ropes course. Workshop participants will be able to take learned skills from the workshop and apply them to small groups in a variety of settings. Recommended for educators grades 5-12 who want to become familiar with the implementation of a ropes program to develop teamwork and leadership skills in a classroom setting. (1 time)

**EDW 709: Hands-On Digital Photography**

This workshop is designed to allow teachers (K-12) to develop the skills and creativity necessary to be successful in the application of digital image capture, manipulation, storage, transmission and reproduction. Basic principles will be demonstrated by the instructor and applied by the workshop participants in practical picture taking, downloading, editing, storing and print making assignments that can be used in their classroom environment. Aesthetic and technical aspects of digital photography will be included in units of work including camera handling, motion and depth-of-field control, enlarging/cropping, lighting, printing, and display mounting. Recommended for K-12 educators. **(18 times)**

**EDW 711: ESL: Understanding and Using Scaffolding Strategies with Second Language Learners**

This workshop will focus on effective approaches and activities that facilitate the development of English as a Second Language across content-based learning experiences. This workshop will examine the predictable stages of second language acquisition and relevant language acquisition theories as they relate to classroom instruction. Finally, this workshop focuses on a reflective examination of the interaction of several variables that have an effect on educational success and failure for students who are linguistically and culturally different. Recommended for K-12 educators. **(2 times)**

**EDW 713: Teaching Local History & Geography: A Hands-On Approach to Community Resources in Lancaster County**

This workshop is designed primarily for teachers in Lancaster County and Lancaster City who wish to discover, experience, and organize local resources for classroom use. Geography, genealogy, architecture, religion, history, ecology and archaeology are among the topics studied. The focus is on seeking resources for developing units, identifying resource persons, planning field trips, and finding materials for development of K-12 units. Much of the class time is spent outdoors. Anyone who has already taken EDW 663 in Lancaster County (on campus) is not eligible for this course. Recommended for K-12 social studies educators. **(2 times)**

**EDW 714: Teaching Local History & Geography: A Hands-On Approach to Community Resources in York County**

This workshop is designed primarily for teachers in York County and York City who wish to discover, experience, and organize local resources for classroom use. Geography, genealogy, architecture, religion, history, and ecology are among the topics studied. The focus is on seeking resources for developing units, identifying resource persons, planning field trips, and finding materials for development of K-12 units. Much of the class time is spent outdoors. Anyone who has already taken EDW 663 in York County (off campus) is not eligible for this course. Recommended for K-12 social studies educators. **(6 times)**

**EDW 715: Minds-on Learning for Student Understanding: Curriculum Design for Cognitive Growth**

This workshop is designed for K-12 teachers who want to provide their students with engaging, authentic learning within the context of Pennsylvania State Standards. It provides a conceptual framework for designing instructional units that promote minds-on learning that leads to deep understanding. It incorporates easy to use design templates and draws on the work of Grant Wiggins and Jay McTighe as outlined in their book *Understanding by Design, (UbD)*. It provides a comprehensive approach to increasing student understanding that incorporates the best of UbD, problem based learning, performance assessment, and the integration of state standards into the curriculum. This workshop emphasizes curriculum design that promotes cognitive growth and deep understanding while placing the teacher at the center of the planning process. **(2 times)**

### **EDW 716: Connections to Economics Across the Curriculum**

Fundamental economic concepts are integrated across the curriculum by Millersville University faculty and economic education experts affiliated with the National Council for Economic Education (NCEE). Participants will learn about the connections between the economics standards and the social science and math disciplines through interactive lesson demonstrations. Instructors will incorporate many of the popular teacher training workshops offered by the Millersville University Center for Economic Education. A field trip to the Federal Reserve Bank of Philadelphia is planned where students will be introduced to a new web based teacher/student resource from the Federal Reserve Bank, Fed 101. Participants will learn how to write an economics lesson while studying the topics of personal finance, financial markets, and career and labor economics. Recommended for high school economics, social studies, and business education teachers.

### **EDW 718: Histology & Microtechnique**

This workshop will provide the participant first-hand experience in preparing microscope slides for classroom observation and is designed for teachers of 11-12th grade anatomy and physiology. Tissues will be processed by the participant with the final end point of producing slide sets for use in their classroom. The slide sets thus produced would cost many hundreds of dollars if purchased from a vendor. Histological study of various systems will be observed and images recorded on compact disc (CD) for use in the participants' classroom. In addition, the participant will learn special microscopy techniques that will result in the production of fluorescent images demonstrating various cell structures. These images will also be recorded on CDs that can be used for demonstration in the classroom. Each participant will design specific uses that integrate these images into their curriculum. Histology of 22 tissues/systems will be described. Recommended for high school anatomy and physiology educators.

### **EDW 720: Hitting the Target: Promoting Student Learning and Creating a Motivating Classroom Climate in Today's Classrooms**

If K-12 educators are to take the initiative to help all children learn, they must be able to foster student motivation to learn in school. This workshop will aid teachers in applying the latest research on student motivation to their current instructional and motivational practices. By using the conceptual framework outlined by achievement goal theory, the predominant theory of motivation in the educational psychology literature, teachers will

be able to utilize this knowledge to create motivational curriculum and inviting classroom environments that promote student learning. Recommended for K-12 educators.

### **EDW 721: Digital Storytelling in the Classroom**

Digital stories are stories told with new media tools such as video and PowerPoint. In this workshop teachers will learn how to use digital telling to support new forms of student writing. Digital stories can transform traditional writing assignments in elementary, middle and high school such as reports on current or historical events, responses to literature, reporting on scientific experiments, as well as transforming creative writing projects. Digital story telling is highly motivating for students and when used with an authentic writing purpose provides powerful ways for students to tell stories and report. The emphasis of the workshop will be on how digital telling can be integrated with the curriculum. We will discuss practical ways to support students with the use of technology as well as meaningful ways to support the writing process. Participants in this workshop will develop their own digital stories and will create lesson plans for student writing with new media. Recommended for K-12 language arts, social studies, and English educators. **(1 time)**

### **EDW 722: Geometer's Sketchpad in the Classroom**

Participants in this workshop will use Geometer's Sketchpad to develop lessons and projects in their geometry, algebra, applied mathematics, and calculus courses. We will work extensively with Sketchpad 3, a dynamic tool for investigating and visualizing properties of geometric figures. Participants will also be introduced to Sketchpad 4. Sketchpad 4 extends the capabilities of Sketchpad 3 by including new dynamic graphing tools allowing for investigation of functions. Teachers will develop materials and methods for using Sketchpad as a presentation tool as well as a tool for student construction and investigation. This workshop is intended for middle and high school mathematics teachers. Recommended for 7-12 math educators.

### **EDW 723: Eastern Religions: A Fusion of Culture and Philosophy**

Whether to gain insight into Asian newsmakers, to better understand students of Asian descent in their classrooms, or enhance existing knowledge of Asian thought, this workshop is designed for teachers who want to know more. Consideration will be given to Islam, Hinduism, Taoism, and the ethical teachings of Confucius – the belief systems that include huge segments of the people of the world. The extent to which the minor religions Jainism, Sikhism, Shinto, etc. will be covered is dependent on the interest/needs of the class. Rather than a course with a singular focus, each religion will be explored in terms of geography, history, culture and the philosophy from which it originated. Belief systems will be examined through the interplay of these elements using a multifaceted approach. (Teachers who have not had a background in Eastern thought/culture will find this course especially helpful.) Recommended for K-12 social studies educators.

### **EDW 726: Making Sense of Money and Banking: History and Function of Money, Banking, and the Federal Reserve System**

By utilizing extensive educational materials developed by the Federal Reserve System and Economics America, teachers will learn about the history and function of money,

banking, and the Federal Reserve System in the United States. Emphasis is placed on effective strategies and curriculum resources for teaching money and banking in the K-12 classroom. Teachers will also learn how topics and lessons from the course will meet state educational standards in economics, history, and math. Teachers will learn from Federal Reserve Bank and Economics Pennsylvania experts during this unique course held at the Federal Reserve Bank of Philadelphia. Recommended for elementary, middle, and high school economics, history, mathematics, and business education teachers.

**EDW 727: Differentiating Instruction: Providing All Students Access to the General Education Curriculum**

The purpose of this course is to help teachers address the needs of diverse learners in the regular classroom setting. Teachers will learn characteristics of students with mild disabilities or learning difficulties. Participants also will learn to plan instruction on various levels, adapt content, implement elements of effective instruction, and monitor student progress to facilitate academic gains for children with mild disabilities or learning difficulties in the general education setting. Recommended for K-12 educators. **(13 times)**

**EDW 728: Figure Drawing**

Participants will expand their understanding of drawing, using the human figure as subject. Drawing techniques and methods will be explored that have practical application to the teaching of drawing in K-12 settings. Each participant will be engaged in a rigorous series of drawing exercises that explore expression, observation, memory and response. Various media will be used to make a portfolio of figure drawings. Participants will work directly from life, drawing the model, draped and nude.

**EDW 729: Our Changing Planet: Global Environmental Change**

An Earth Systems Approach to the understanding of the development of Earth's habitable atmosphere, hydrosphere and geosphere; spatial and temporal scales of climate change and the mechanisms that control climate processes and climate change; techniques used to interpret past global climate change. Ecosystem and human health effects as well as government policy issues related to global change will be examined. Recommended for K-12 science educators. **(1 time)**

**EDW 730: Professional School Counseling Consortium: The ASCA National Model**

State certified school counselors and district school counseling teams (including supervisors) are welcome to attend this consortium which will focus on the American School Counselor Association National Model and Standards. What are the essential questions regarding your role? How can the standards and model help you and your students? What is your contribution to school reform, especially in the area of closing the achievement gap, as prescribed by NCLB legislation? How are students measurably different due to the School Counseling Program (SCP)? Are you supervised according to counselor performance standards by a certified school counselor supervisor? How do you use data to measure student growth? Join colleagues in a professional learning community to dialogue and participate in experiential activities designed to answer the

above questions and many more. Recommended for state certified school counselors and district school counseling teams.

**EDW 732: Movin' On Up: Becoming An Effective Mentor Teacher**

Many experienced teachers are called on to become mentors within their schools. This workshop is designed to help those teachers develop skills to mentor novice and student teachers. Participants will be actively engaged in activities and simulations which will guide their understanding of their own mentoring style, help them learn to mentor teachers with different styles, and develop an action plan for mentoring. Recommended for K-12 educators who are interested in mentoring.

**EDW 733: Ebonics: Structure, History, Educational Implications**

This content-oriented workshop has three related purposes--first, to provide elementary and secondary teachers with an introduction to the structural characteristics of Ebonics, the most culturally significant and intensively studied dialect of American English; second, to make these teachers aware of current scholarship regarding the historical origins of this dialect; and third, to help them deal with the issues which this dialect engenders in the classroom setting. Through the exploration of these topics, teachers will be much better prepared to provide language arts instruction to native speakers of Ebonics so that these students can enhance their social mobility by augmenting their linguistic repertoires with a standard dialect, by maximizing their literacy skills, and by enjoying the educational opportunities of an enriched classroom environment where they can engage in informative and mutually transformative dialogues with instructors who both appreciate and understand their linguistic cultural heritage. Recommended for K-12 English educators.

**EDW 734: Pediatric Exercise Workshop**

An online, distance-learning workshop designed to provide physical educators as well as other individuals a complete review of current knowledge about physiological responses in children to exercise. By completing this course workshop participants will better understand the influence of body size, puberty, gender, growth, genetics, and environment on aerobic and anaerobic activity. In addition, information on the current trends in the testing of health- and sport-related components of fitness for children will be reviewed. The class sessions, or modules, will be conducted using online courseware (Blackboard). The format of class modules will include a mix of online lectures and discussion as well as the creation of teaching and/or research projects. Recommended for K-12 physical education teachers.

**EDW 735: Special Considerations for Women & Girls in Physical Fitness**

This online workshop provides physical educators with a basic understanding of exercise physiology in girls and women, the methodology for assessing exercise capacity and physical activity in girls and women, and the potential benefits and risks of exercise/physical activity in girls and women for both current and future health.

**EDW 736: Film Studies**

This workshop teaches teachers the foundational elements of film criticism, film theory, and film studies pedagogy so that they may enhance their students' media and visual literacies. Teachers will learn about cinematography, editing, mise-en-scène, and sound as well as a number of theoretical approaches to cinema, including genre theory, auteur theory, structuralism, and race/class/gender approaches. The course is designed primarily for secondary school teachers teaching grades 9-12 in the humanities or social sciences (especially teachers in the communication arts, English, and social studies) who have no background in Film Studies; however, it will provide foundational skills for teaching film in a variety of contexts.

**EDW 737: Current Topics in Secondary School Athletic Training**

This workshop will offer the certified athletic trainers in the secondary schools an opportunity to review and implement current policies and practices into their school setting. This will include current events at the national, state and district level; reviews of state and federal laws. Discussion of recent studies and the latest techniques in the profession.

**EDW 738: Issues in Teaching Youth Exploring Gay, Lesbian, Bisexual, Transgender and Questioning Identity**

Most students in middle school and high school are clarifying their sexual/affectional orientation and negotiating a school culture that is usually hostile to students who are gay, lesbian, bisexual, transgender or questioning. In this workshop, educators will acquire background information, knowledge of current laws and policies and recommended practices for helping GLBTQ as learners within this context.

**EDW 739: Creating Pop-Up Instructional Materials Using Digital Technology**

This workshop is designed to allow teachers (K-12) to design, layout, print and produce pop-up instructional materials. Basic principles about pop-up construction, its mechanisms and design considerations will be demonstrated by the instructor and applied by the workshop participants in the production of individual pop-ups to reinforce discipline concepts at all grade levels.

**EDW 740: Reversing Cardiovascular Disease**

This workshop provides educators the tools to play a pivotal and important role in educating their students about the potential benefits of comprehensive changes in diet and lifestyle to reverse cardiovascular disease.

**EDW 741: Reading Women in US History**

This course will employ a biographical approach to investigate selected themes and events in the history of women in the United States from the period of encounters between indigenous women of the Americas, Europeans, and Africans up to the present.

**EDW 742: 20<sup>th</sup> Century Pennsylvania and American Social Reform through Biography**

This course will examine specific social reform movements of the 20<sup>th</sup> century through

the biographies of individual Pennsylvanians who played prominent roles in the reform movements under examination.

**EDW 743: Religion and Reform in America**

This course will examine the connection between religion and American reform movements from the colonial period to the twentieth century, utilizing a biographical approach.

**EDW 744: Microsoft Products for Classroom Use**

Provides participants with an overview of Microsoft Word, Excel and PowerPoint. Throughout the workshop, participants will complete practical exercises like creating classroom newsletters, databases and PowerPoint presentations. This introductory workshop is specifically designed for teachers of all subjects with minimal computer expertise. **(14 times)**

**EDW 745: Teaching Spelling and Vocabulary Development in the K-6 Classroom**

This workshop is designed to provide practicing K-6 teachers with background and strategies for vocabulary and spelling development. Participants will have the opportunity to develop instructional materials for their classrooms. **(1 time)**

**EDW 746: Probability and Statistics – A Hands-on Look at Data in the Elementary Classroom**

Probability and statistics is required by the NCTM standards for all grade levels K-12. In the grades 3-8 the focus of the standards is on data and elementary concepts of probability. Participants will learn activities to use in teaching this material and will learn how to identify types of data, how data is collected, how to construct and interpret appropriate displays of data, how to compute and interpret appropriate numerical summaries of data and concepts of elementary probability. Appropriate activities to teach this material will be demonstrated and studied.

**EDW 747: Electronic Portfolios**

This workshop is designed to allow educators (K-12) the opportunity to explore and create electronic portfolios and simulations for both student and teacher use. Basic elements of portfolios and simulations as well as graphic design, audio and video creation and inclusion will be discussed and demonstrated. **(1 time)**

**EDW 748: Assistive Technology for Students with Disabilities**

This workshop introduces the classroom teacher to many of the special devices and software systems available to assist students with disabilities. Participants will gain hands-on experience with configuring and using systems to support students with vision, motor, and cognitive disabilities, including screen readers, text-to-speech systems, alternative keyboards and pointing devices, voice recognition systems, on-screen keyboards with scanning mode, and augmentative/alternative communication devices. The focus will be on using technology aids to support the learning process for students with disabilities. This class is intended for K-12 teachers who are interested in learning more about the technical needs of students with disabilities.

**EDW 749: Advanced Placement (AP) Java Programming I for Educators**

This workshop will cover the beginning components of the Advanced Placement (AP) requirements for Computer Science Exam in Java. This course will provide educators with effective course materials in computer science that will help high-school students to pass the Advanced Placement™ (AP) Computer Science College Board exams in Java. Participants will design and write simple Java programs. Topics include: Using Java, using the Java Development Kit, Object Oriented programming in Java, Java class methods, Java Objects, Control statements, Arrays, Recursion, Using Abstract Data Types, Implementing Abstract Data Types, Stacks, Linked Lists, Queues, Files, and simple Java applets. Straightforward techniques teach participants how to convert their elementary C++ programs to Java. This course will provide clear, practical explanations to guide teachers through the initial AP Java programming topics. This class is intended primarily for secondary teachers who teach computer programming, the AP Computer Science course or any teacher who wants to learn how to program in Java.

**EDW 750: Explorative Studies of the Sculptural Process**

Participants of this workshop will produce site-specific works through the exploration of alternative sculptural methods and media. The course is designed to encourage the participants to find the best materials and means of personal expression through an informed study of media and the sculpture process. Media may include (but are not limited to) clay, stone, water, botanicals, air, and ground formations. Paint, prints, photos, Xerox, computer, wood, fabric, glass, wax, and found objects may also be used. This course will be held in a working artist studio on five acres with woods, stream, and open meadow space. Recommended for art educators. ( 3 times)

**EDW 751: Science in Sports**

This workshop is designed to provide science educators an in depth view of the science involved in sport. By completing this workshop, participants will better understand the use of biology and physics to explain, evaluate, and enhance sport performance. In addition, participants will complete several experiments that demonstrate how science and sport interact. The class sessions, or modules, will be conducted using online courseware. The format of class modules will include a mix of online lectures and discussion, completion of several experiments, as well as the creation of teaching and/or research projects.

**EDW 752: Eating Disorders and Body Image Anxiety: Guidelines for Recognition, Intervention and Referral**

This workshop will provide the latest guidelines for the identification, intervention, education, and referral of eating disorders and body image anxieties that are common among many boys and girls in schools. Treatment resources for this escalating problem will be provided to help school professionals understand and address this complex issue. The workshop will also discuss how schools can develop policies to alleviate pressures to be perfect in an era of plastic surgery, extreme makeovers and steroid-use.

**EDW 753: Developing Parental and Community Partnerships in Secondary Schools**

According to the National Center for Education Statistics (2003), 48% of teachers indicate that they have not had adequate training for dealing effectively with parents. This very interactive workshop, “Developing Parental and Community Partnerships in Secondary Schools,” is designed to help middle school and high school teachers and administrators cultivate healthy relationships with parents and community members. The purpose of the workshop is to evaluate what a teacher/school/district is presently doing to foster more parental and community interaction in the secondary schools and to design a plan to make a classroom, building, and/or district even more *parent and community friendly*. In addition, participants will plan for the needs of a growing multicultural school population by reflecting on cultural values of Latino families via personal conversations with parents. Participants will have the opportunity to review and create effective direct and indirect communication tools specific to their classroom or school that build stronger school-home relationships. Furthermore, participants will learn some effective strategies for dealing with uncooperative or hostile parents and for solving problems effectively with parents. (1 time)

#### **EDW 754: Respiratory Health**

This workshop will provide participants with the latest information on asthma and smoking prevention/cessation. Asthma is a growing concern for both parents and teachers. Being able to understand and identify asthma, the pathology and basic mechanisms of asthma, as well as prevention and control techniques is not only important, but potentially life-saving. Unfortunately, secondhand tobacco smoke has been cited as one of several reasons for the development of asthma. Therefore, this workshop will also discuss tobacco-use prevention and cessation techniques.

#### **EDW 755: Creating Community in the Classroom K-12**

This workshop is intended to provide participants with an understanding of how to incorporate team building activities in the classroom in order to enhance the collaborative spirit of the students. Through active involvement in a variety of different games and team building exercises, participants will learn how to develop trust, compassion and teamwork in students. The workshop will provide participants with theoretical aspects of community and partnering development with direct hands on experience participating in team building activities on the Millersville University ropes course. Workshop participants will be able to take learned skills from the workshop and apply them to small groups in a variety of settings.

#### **EDW 756: Teaching Local History and Geography: A Hands-on Approach to Community Resources in Lancaster County – Part II**

Topics investigated in this workshop are directly related to the content included in EDW 713: Teaching Local History and Geography: A Hands-on Approach to Community Resources in Lancaster County. Educators receive more in-depth information on specific topics and area studies that can prove practical in lesson planning. Classroom and field work are often specific to school districts or towns. Information on primary sources, resource persons, and field trip possibilities is provided for the elementary teachers as well as secondary teachers of various disciplines.

**EDW 757: Mathematics around the World**

This workshop investigates the nature of mathematics, the contribution of different cultures toward the development of mathematics, and the role of mathematics across cultures and societies. It is also a study of how various cultures understand and use mathematics. Participants will gain sufficient understanding of Ethnomathematics to be able to create classroom projects in multicultural mathematics. The workshop is intended for middle and high school teachers of mathematics.

**EDW 758: Introduction to Stage Sound**

This workshop will provide an introduction to basic principles of sound, sound equipment, and the application of sound techniques in a live performance situation. Since school auditoriums have become increasingly sophisticated, this workshop has application for teachers who are involved in the production of plays and musicals.

**EDW 759: Introduction to Stage Make-Up**

This workshop will provide theory and practice in the essential aspects of theatrical makeup. A fundamental component of this workshop is hands on practice in makeup application. Participants will plan for several different types of makeup and execute the makeup either on themselves or others in the workshop. This workshop is applicable for those who may have responsibility for the production of plays on the junior high or high school levels.

**EDW 760: Introduction to Scene Painting**

This workshop will provide theory and practice in the essential aspects of scenery painting. A fundamental component of this workshop is hands on practice in paint application. Participants will execute painting projects individually or with others in the workshop. This workshop is most applicable for teachers in junior high and high school involved in the production of plays and musicals.

**EDW 761: Incorporating Movement to the Classroom – Games and Activities for the Elementary Classroom Teacher**

This workshop will offer elementary *classroom* teachers a variety of games and activities that can be utilized to help teach academic topics such as science, math and spelling. Participants will also learn new variations on popular playground games that involve more cardiovascular exercise for children. **(3 times)**

**EDW 762: Elementary Physical Educators and Activity Instructor's Workshop**

This workshop will offer physical educators, coaches, outdoor education instructors and recreation personnel a variety of physical problem solving activities that promote teamwork and require advanced cognition; a variety of social dance forms and how to instruct them; sport lead-up games and newly available activities designed for today's activity instructor. Participants will also learn a wide array of skills that utilize many of the new equipment now available to physical education teachers.

**EDW 763: Emergency Readiness**

This workshop will teach participants how to prepare, respond and recover from natural disasters, human-caused emergencies, and accidents. This workshop does not discuss first aid or the immediate treatment of injuries, but rather the steps necessary to prepare for the havoc and devastation caused by tornadoes, earthquakes and hurricanes as well as terrorist attacks or bombings. In a disaster, it might be several days before vital services are restored; therefore, emergency readiness training not only involves learning about personal safety, but also preparing teachers and their families for the traumatic stress that is often associated with being away from home during a disaster.

#### **EDW 764: Childhood Obesity Prevention Strategies**

This workshop will provide participants with an understanding of the health and wellness issues related to childhood obesity and the strategies necessary to address this national epidemic. Using a system developed by the CDC (Centers for Disease Control and Prevention), participants will learn how to implement the Coordinated School Health Model. The model works by facilitating understanding and cooperation among interested persons to develop and/or improve school policies and procedures in areas such as food services, nutrition curriculum, physical education, and after-school programs. Moreover, the model supports school health programs in school districts and communities through the promotion of parent, citizen, and professional involvement.

#### **EDW 765: Media and Autobiography I**

This course addresses autobiography as a mode of inquiry and use of a media tool to enhance the classroom experience of learning about autobiographical texts. The course will include proper steps to creating a mediated autobiographical presentation through using PowerPoint and other slide show software for the novice technology user. The course is designed for teachers in grades K-12, librarians and media specialists. The PRSSA Children's Literacy Initiative (K-3), and the grade Reading, Writing, Speaking and Listening Standards (4-12) are integrated into this workshop.

#### **EDW 766: Media and Autobiography 2**

This course addresses advanced media applications and their pedagogically sound integration into autobiographical modes of inquiry for teachers to incorporate into their classrooms. The class will include discussion of and participation in creating autobiographical work through the use of audio and visual editing software. The course is designed for teachers in grades K-12, librarians and media specialists who are comfortable with technology and a variety of computer software applications. The PRSSA Children's Literacy Initiative (K-3) and the grade Reading, Writing, Speaking and Listening Standards (4-12) are integrated into this workshop.

#### **EDW768 - The Dark Side of the Internet**

This workshop will equip educators with a deep understanding of the risks and opportunities regarding current communication technology including internet safety, social networking, child-identity theft, cyber harassment and portable technologies. Legal, technical, psychological, and social dynamics will all be addressed including practical application to the school environment.

## **EDW 769: Reading and Writing in the Reel World: Using Documentaries to Communicate Across Disciplines**

This course will show participants ways they can help their secondary students appreciate and understand documentaries, which will subsequently help them, read and write a variety of nonfiction genres. We will apply analytic skills used to critique nonfiction film to the skills that are necessary for adolescent readers and writers to interpret and to create nonfiction print texts. We will learn the following key elements of film analysis: nonfiction film tracks, nonfiction film genres, bias and propaganda techniques, ethical considerations in making documentaries, and the ways that the construction of truth in nonfiction affects its message. We will compare the elements of tone, theme, and perspective in both film and print texts and examine how an analysis of the structure of film can help students become stronger writers. We will specifically look at the following writing strategies in both media: persuasion, compare/contrast, and problem/solution. Our course will consist of discussion, creation of storyboards, writing, reading, and viewing of film clips and complete documentaries. We will discover ways that nonfiction film can be used across the disciplines of English, social studies, government, and science and can strengthen adolescent literacy skills in those disciplines.