

Summer Educators Development Institute 2009

Institute for Advanced Learning & Research

<http://www.ialr.org/education/life-long-learning/sedi>

SEDI Course Descriptions

Deadline for Registration is June 1, 2009

Enrollment slots are filled on a first come, first serve basis pending receipt of the registration form and \$50 fee.



Internet Resources for Elementary School Teachers

Instructor: Sharon Bolan, Lunenburg County Schools

June 15, 2009 9 am - 5 pm (1 hr lunch) 7 points

Prepare to be WOWed with totally FREE Internet resources. This all-day course provides participants with programs, games, and tools to make an educator's job easier. This session is specifically geared towards elementary school teachers from beginners to advanced computer users.

Internet Resources for Middle and High School

Instructor: Sharon Bolan, Lunenburg County Schools

June 16, 2009 9 am - 5 pm (1 hr lunch) 7 points

This all-day course provides participants with programs, games, and tools with a different audience in mind than the first course on June 15th. This session is specifically geared towards middle and high school teachers.

Want Your Own Space? Webpage Building

Instructor: Sharon Bolan, Lunenburg County Schools

June 17, 2009 9 am - 5 pm (1 hr lunch) 7 points

Do you want your own webpage without spending endless hours building it? At the conclusion of this all-day session, participants will own a published active website tailored specifically to their own needs. Several FREE services will be offered for participants to explore and incorporate into their curriculum. Participants of all experience levels will be given ample time to develop their site.

Create with Basics - Excel, PowerPoint and Word

Instructor: Sharon Bolan, Lunenburg County Schools

June 18, 2009 9 am - 5 pm (1 hr lunch) 7 points

In this all-day session, participants will explore various, never-imagined ways to incorporate Microsoft Excel, PowerPoint, and Word into their curriculum. Educators from all grade levels will create serviceable documents including interactive crosswords, charts and diagrams, and interactive games that are designed to excite all types of learning styles. This fast-paced session is designed for the novice to the advanced learner.

Listen-up! PodCasting in the Classroom

Instructor: Sharon Bolan, Lunenburg County Schools

June 19, 2009

9 am - 5 (1 hr lunch)

7 points

Tap into the power of podcasting with Audacity. Participants will learn how to use Audacity, a FREE audio editor and recording program. Participants will develop activities that creatively enhance their curriculum. Educators will explore a variety of ways to showcase their audio creations.

Robin Reed's Weather School - "Weather in the Classroom"

Instructor: Robin Reed, Chief Meteorologist, WDBJ TV

June 22, 2009

9 am - 5 pm (1 hr lunch)

7 points

WDBJ chief meteorologist Robin Reed has put together a fun and interactive workshop for teachers of all grade levels. Teachers will predict hurricane landfalls, learn about tornadoes, and much more. Free handouts plus useful web links are offered and specific grade level SOL are covered. Come meet Robin Reed, and take away innovative plans for teaching weather-related materials in your classroom.

Get SMART with your Interactive SmartBoard

Instructors: Sharon Bolan, Lunenburg County Schools and Bruce Hemp, Math teacher, Ft. Defiance High School, Augusta County

June 22, 2009

9 am - 5 pm (1 hr lunch)

7 points

This full-day session will give educators exciting hands-on experience with the fundamentals of SmartBoard including attaching your Board, loading the Notebook software, and using Notebook, the SmartBoard software. Educators will develop activities that enhance established lessons using this interactive SmartBoard. Participants will explore free Internet resources tailored for the SmartBoard. Novice to advanced learners are welcome.

Bring the Bling with Wikis and Blogs

Instructor: Sharon Bolan, Lunenburg County Schools

June 23, 2009

9 am - 5 pm (1 hr lunch)

7 points

Enhance students' discussions and interactions with curriculum material with the use of wikis and blogs. This full-day session will expose participants to a variety of free blogging and wiki sites including Jottit, Writeboard, Twitter, and Blogmeister. Participants will spend time exploring existing sites and developing their own wikis and blogs tailored to fit their individual needs. Participants from novice to advanced levels are welcome.

Data Collecting for Algebra Fun

Instructor: Bruce Hemp, Mathematics teacher, Ft. Defiance High School, August County

June 23, 2009

9 am - 5 pm (1 hr lunch)

7 points

Using graphing calculators, probeware and CBL's, participants will learn how to set up and conduct experiments to bring mathematics to life. Note: Wear casual clothes so that you can walk, jump, bounce, measure and collect data. We'll experiment with direct and inverse variations; linear, quadratic, sinusoidal, and exponential functions; display data in stem and leaf plots, and box and whiskers plots. Learn how real life situations can strengthen students' conceptual mathematical understanding.

NanoScience for Middle & High School Educators

June 23, 2009

8 am - 4 pm (1 hr lunch)

7 points

Learn how to introduce middle and high school students to the Nano World. (\$15 Registration fee)

Ready, Set...ACTION! with Digital Storytelling

Instructor: Sharon Bolan, Lunenburg County Schools

June 24, 2009

9 am - 5 pm (1 hr lunch)

7 points

Promote the development of student skills in visual, audio, and written communications through the use of digital storytelling. Participants of this hands-on course will create movies using Microsoft MovieMaker and PhotoStory. Participants' digital stories will incorporate interviews, pictures, animation, storyboarding, flow charting, scripting, and publishing. Educators will explore a variety of ways to incorporate their digital stories into an established curriculum. Novice to advanced learners are welcome. Bring your own camera and cable, if possible.

Open Office – The FREE Office Suite

Instructor: Sharon Bolan, Lunenburg County Schools

June 25, 2009 9 am- 5 pm (1 hr lunch)

7 points

This full-day session will explore the FREE Open Office Suite. This software suite includes word processing, spreadsheets, presentations, graphics, databases and more. Participants will get comfortable with this easy-to-use software ideal for classroom management.

Seamless Technology Integration

Instructor: Sharon Bolan, Lunenburg County Schools

June 26, 2009 9 am - 5 pm (1 hr lunch)

7 points

Do you have all sorts of techy gadgets that are "way cool" but really seem like too much trouble to use? Spend a day learning ways to integrate seamlessly into your curriculum technologies including televisions with dvd/vcrs, digital camcorders, digital cameras, MOBI's, the Internet, and much more.. Watch your students get excited with learning by enhancing already-established lessons with technology.

What's The Point? Geocaching and GPS

Instructor: Debbie Newman and Bethany Butcher, Bedford County Schools

July 6, 2009 9 am - 3 pm (1 hr lunch)

5 points

Finding some latitudes will change some kids' attitudes because learning SOLs can be fun. Use the book Sea Clocks by Louise Borden to explore web 2.0 resources and use a variety of technology tools (flip camera, document camera, SMARTboard, GPS) to enrich your classroom using an interdisciplinary approach. Your students will make meaningful connections while learning essential knowledge. Power on your GPS receiver and culminate the lesson with an electronic scavenger hunt. Perfect for Grades 3-8.

Grant Writing for Educators - PART 1

Instructor: Jennifer Smith, Independent Consultant

July 7 (with second section optional on July 9) 9 am - 4 pm (1 hr lunch) 6 point

This session presents educators with basics for successful proposal writing as well as pointers for more experienced grant writers who would like to refine their skills. Understand the components of a proposal, write clear objectives and program evaluations, and identify possible funding sources.

Geometers' Sketchpad

Instructor: Bruce Hemp, Math teacher, Ft. Defiance High School, Augusta County

July 8, 2009

9 am - 5 pm (1 hr lunch)

7 points

Learn how to use the tools and functions of Geometers' Sketchpad and then have the opportunity to work through various activities step by step. Participants will also construct objects and then explore their mathematical properties by dragging the objects with the mouse. All mathematical relationships are preserved, allowing participants to examine an entire set of similar cases in a matter of seconds, leading them by - natural course - to generalizations.

Proposal Review or Grant Writing for Educators, PART 2

Instructor: Jennifer Smith, Independent Consultant

July 9 (with first section optional on July 7) 9 am - 4 pm (1 hr lunch) 6 points

Have you written a proposal that you would like reviewed or do you want to review other proposals to improve your grant writing skills? Participants in this class are encouraged to bring a proposal for teacher-facilitated peer review. Using the grant guidelines, participants will learn how to improve their proposal by understanding what reviewers are looking for and how to make a positive impression. (Participants who bring a proposal should also bring the grant guidelines/instructions/RFP.)

SmartBoard for Math

Instructor: Bruce Hemp, Math teacher, Ft. Defiance High School, Augusta County

July 10, 2009 9 am - 5 pm (1 hr lunch) 7 points

Come learn the basics and expand your knowledge into how your SmartBoard can be used in math classes from K-12. Then practice what you have learned and create your own lesson, quiz, or game that you can take and use in your classes.

Autism Spectrum Disorders - PART 1

Instructors: Cherie Arnn and Jill Hamlin – Building Blocks Center for Children with Autism (Averett University, Adjunct)

July 10, 2009 9 am - 5 pm (1 hr lunch) 7 points

Introduction (See July 17 for Part 2) This full day session will introduce participants to the world of Autism Spectrum Disorders. It will address the characteristics of the disorder, types of assessments used to diagnose, as well as explore research-based interventions. This course is designed for participants who are not familiar with the disorders.

NanoScience for Elementary School Educators

July 14, 2009 8 am - 4 pm (1hr lunch) \$15 Fee 7 points

Learn how to introduce elementary school students to the Nano World.

See <http://www.ialr.org/education/life-long-learning/nanoscience/summer-2009-programs>

Intel® Thinking with Technology Course

Instructor: Lynne Hoffman, Danville City Schools

July 14-17 (4 days plus evening work) 9 am - 5 pm (1 hr lunch) 32 points**

Learn how to integrate technology into any classroom curriculum using free online thinking tools to sharpen students' higher-order thinking skills. Visually represent your understanding of complex and interconnected issues using three free tools— Visual Ranking, Seeing Reason, and Showing Evidence—available on the Intel® Education web site. Participants will leave the four-day course with a standards-based unit plan, support materials, and implementation strategies to improve and assess students' higher-order thinking skills.

***3 hrs college credit available via Portland State - see <http://www.ceed.pdx.edu/itf/> with additional online work and tuition of \$275**

Autism Spectrum Disorders PART 2- Classroom Interventions

Instructors: Cherie Arnn and Jill Hamlin – Building Blocks Center for Children with Autism (Averett University, Adjunct)

July 17, 2009 **9 am - 5 pm (1 hour lunch)** **7 points**

This full day session will expand on information gained in the first session. Specific classroom interventions, modifications and accommodations will be discussed, modeled and practiced throughout the day. Participants will leave the course with practical, hands-on skills for their classrooms. This course is designed for participants who completed the first session or who have a basic understanding of Autism Spectrum Disorders.

Thinkfinity—the Web’s Best-Kept Secret for Teachers

Instructor: Lynne Hoffman, Danville City Schools

July 20 or July 28, 2009 **9 am - 4 pm (1 hr lunch)** **7 points**

The Verizon Foundation offers powerful lessons and interactive tools through nine content partners who produce discipline and grade-specific, standards-based web sites for anyone to use, and the best part — they are FREE. Over 55,000 ready-to-use resources are available for educators, students, parents, and afterschool tutors that cover a range of topics including literacy, education, and technology.

Make Your PowerPoint Presentations More Powerful

Instructor: Lynne Hoffman, Danville City Schools

July 21, 2009 **9 am - 4 pm (1 hr lunch)** **7 points**

Improve the way you create and give presentations. Use enhanced multimedia capabilities to deliver presentations with more impact. Experiment with various background and color scheme features; embed fonts; add movies, sounds, and music; hyperlink to web pages; use advanced transition and animation features. Rip music from CDs to include in your presentation. Also learn to export slideshow presentations to **Microsoft Word** and package presentations for a CD.

Get in the Game: Engaging Students in Politics

Instructor: Meg Huebeck, Center for Politics, UVA

July 21, 2009 **9 am - 4 pm (1hr lunch)** **6 points**

This session for grades 6-12 social studies instructors will present innovative ways to motivate your students to take part in American democracy. This six hour workshop will provide participants the opportunity to participate in classroom simulations, web 2.0 technologies and active staff development for the teaching of civics. Materials presented are from the University of Virginia Center for Politics’ Youth Leadership Initiative.

Using Digital Cameras and Photo-editing Software

Instructor: Lynne Hoffman, Danville City Schools

July 22 or July 27, 2009 **9 am - 4 pm (1 hr lunch)** **7 points**

Learn the basic features of your digital camera and its functions; practice taking digital pictures and downloading them to a computer. Also view images in Windows and image browser applications. Work with basic image editing and printing options in Microsoft Picture Manager and a free Google photo-editing program on the Internet. Find out how to upload your favorite photos to cyberspace albums for classroom use. Bring your own camera, startup cd, and cable, if possible.

Stream School

Frank McKay, Exploris Middle School, Raleigh

July 22, 2009 **9 am - 4 pm (1 hr lunch)** **6 points**

Just a few buckets, nets, and the right methodology are all you need to teach kids how to assess water quality in their communities. There are excellent ways for students to share their findings using a variety of online and classroom "hi-tech" tools. Learn hands-on stream quality analysis with basic equipment, then explore available technologies for student publishing.

Troubleshoot the obstacles that prevent teachers from taking students outside to do real science in the field and receive lesson plans, materials, and a list of potential grant resources from the 2008 North Carolina Educator of the Year.

Features and Benefits of Discovery Education Streaming

Instructor: Lynne Hoffman, Danville City Schools

July 23, 2009 9 am - 4 pm (1 hr lunch) 7 Points

Looking for videos covering mathematics, language arts, social studies, science, health, art, music, and world languages? Log on to Discovery Education's Streaming web site for over 4,000 K-12 videos and more than 40,000 segments with teacher resources and blackline masters.

File Management in Windows XP

Instructor: Lynne Hoffman, Danville City Schools

July 24, 2009 9 am - 4 pm (1 hr lunch) 7 Points

Explore the nuts and bolts of the Windows XP operating system including how to execute and manipulate programs; work with the start menu, taskbar, and system tray; arrange and manipulate the desktop; access the control panel's various functions; explore a window; and review accessories. Learn to navigate folders and files using Window XP's hyperlinked tasks displayed next to folder contents. Also learn how to obtain files from external sources, select a file or folder, rename, copy, move, delete, send in e-mail, print, or publish to the Web.

GoogleEarth

Instructor: Rob Huffman, Danville Community College

July 24, 2009 9 am - 4 pm (1 hr lunch) 6 Points

Viewing earth has never been so interesting! GoogleEarth lets you see the globe in a 3D environment that far surpasses static maps and old rotating earth globes. One can view cities, rivers, volcanoes, or even the house you live in. Mapping a trip with GoogleEarth and GoogleMaps may keep you from getting lost on your next trip. The program also lets you look to the stars and search distant galaxies (thanks to the Hubble Telescope). This free download is a great teaching tool that instructors and students love.

Grant Writing 101: Practical Strategies for Teachers and Administrators

Instructor: Ruth A. Peebles, MPA - President, The INS Group

July 28, 2009 9 am - 4:30 pm (1 hr networking lunch) 7 Points

Teachers and administrators can greatly increase their odds of receiving grant awards by sharpening their grant writing skills. This course details the grantsmanship process: pre-planning, establishing grant writing teams, grant research, cultivating relationships with potential funders and the development of a winning proposal. Participants will learn about the key components of a master proposal, including the organizational description, compelling problem statement, goals and objectives, program design, evaluation plan, budget, recommended attachments and the demonstration of sustainability.

Put your classroom on the Internet - Webpage Building

Instructor: Joyce Culley, Technology Instructor, Galileo Magnet High School, Danville

July 30, 2009 9 am - 4 pm (1 hr lunch) 6 points

Learn to build a web page from start to finish. This all-day session will provide you with the skills needed to design a web page focused on your classroom objectives. Students and parents will be able to access your valuable information on the internet.

U use YouTube?

Instructor: Joyce Culley, Technology Instructor, Galileo Magnet High School, Danville

July 31, 2009 **9 am - 4 pm (1 hr lunch)** **6 points**

YouTube offers more than just entertainment... learn the unique advantages and resources YouTube can bring to your classroom.

Solar Speeders

Instructor Jeff Liverman, Director Danville Science Center (Meets at Science Center)

August 4, 2009 **9 am - 3:30 pm (1/2 hr lunch)** **6 points**

Build and race a solar-powered car. This workshop for middle and high school teachers provides you with everything you need to build a solar-powered model car. As you construct the model, you explore methods of applying the activity in your classroom settings and connect this exciting program to science and math SOL curriculum standards.