



Center for Mathematics, Science and Computer Education at Rutgers University
732.445.4850(voice) 732.445.3477 (fax)
<http://cmsce.rutgers.edu>
cmsce@rci.rutgers.edu

Spend some time this summer at the Center

Join with your colleagues at one or more exciting courses

- Collaborative videoconferencing
- For credit courses in geometry, physical science and writing
 - Google Tools taught by a Google Certified Teacher
 - Technology Tools
 - Digital media – iLife, digital portfolios
- SMARTBoard courses taught by a SMART Certified Master's Trainer
 - Literacy courses in writing and reading

Courses are conducted at the Center (Busch Campus) from 9 am – 1 pm

Register on line at <http://cmsce.rutgers.edu/registration.html>
Or fax in your application 732.445.3477

July 9-12, 2007

Course # 070907: Videoconferencing: Collaborative Connections (CLOSED)

Coordinator: Judy Bornstein

For teachers of grades K-12

This 4-day workshop will focus on videoconferencing. You will begin at the beginning learning about the power of videoconferencing and learn to connect to sites that will enhance your students' learning. You will also learn about tools to enhance collaborative conferencing and develop a collaborative lesson you can conduct during the school year. You will walk away with a great deal of knowledge and a portfolio of collaborative projects that will make videoconferencing an exciting learning tool in your classroom. This workshop is supported by a grant through Verizon and will be held at multiple sites. A stipend will be paid to those admitted into this course. Only a limited number of participants will be selected to attend this workshop. Please contact Judy Bornstein for an application and more information.

July 9-12, 2007

Course # 071007: Write in the Middle: A Workshop for Middle School Teachers

Facilitator: Heather Johnson

For teachers of grades 6-9

Registration fee \$400 (additional cost for graduate credit)

What do successful teachers do to help their students become confident and proficient writers? Write in the Middle: A Workshop for Middle School Teachers is an Annenberg course that addresses that question in an eight-part professional development workshop. Earn graduate credit and become a stronger teacher of writing. This class covers topics including poetry, multi-genre and persuasive writing. Time will also be spent discussing how we grow writers through peer editing and teacher to student conferences. Call for more information about the additional cost for 3 college credits.

July 16-19, 2007

Course # 071607: Learning Math: Geometry

Facilitator: Roberta Rim

For teachers of grades K-8

Registration fee \$400 (additional cost for graduate credit)

Earn 3 college credits and professional development hours and return to your classroom in the fall with new ideas and activities that will engage students in learning geometric concepts and improve performance on standardized tests. This Annenberg course introduces geometric reasoning as a method for problem solving. You will explore the properties of geometric figures, make constructions using pencil and paper and dynamic software, practice using mathematical language to express ideas and justify your reasoning. You will be given lots of resources and ideas. To earn college credits, homework is required as well as a project. Call for more information about the additional cost for 3 college credits.

July 16-19, 2007

Course # 071707: Essential Science for Teachers: Physical Science

Facilitator: Jackie Halaw

For K-8 teachers

Registration fee \$400 (additional cost for graduate credit)

Earn 3 graduate credits this summer in the Annenberg Essential Science for Teachers: Physical Science course! This intensive, week-long course is designed to help K–8 teachers gain an understanding of the foundational physical science concepts they need to teach today's standards-based curricula. Explore the following concepts: the properties of matter, phases of matter, physical and chemical changes, density and pressure, and heat and temperature. We will watch video segments with real-world examples, demonstrations, animations, and interviews with scientists that are intertwined with in-depth interviews with children that uncover their misconceptions about physical science. We will also explore classroom activities and technology resources that can help teach these topics. Participants must complete several assignments after the course concludes to earn 3 graduate credits from Colorado State University. Call for more information about the additional cost for 3 college credits.

July 20, 2007

Course # 072007: Everything You Wanted to Know About Persuasive Writing

Facilitator: Heather Johnson

For teachers of grades 6-8

Participants will review the Core Curriculum Standards associated with persuasive writing and be exposed to resources to utilize in teaching this exciting topic. Participants will leave with handouts, games, role play and internet resources that will enhance lesson planning for the fall.

July 23, 2007

Course # 072307: Interactive Notebooks

Facilitator: Jackie Halaw

For teachers and Administrators, grade levels 3-12, all content areas

Transform your students' notebooks into portfolios of individual learning. Interactive student notebooks (ISN) encourage students to use critical thinking skills to organize and process content. Teachers will examine examples and explore strategies for students to process, question, and wrestle with new ideas. This notebook strategy can be used for a single lesson, unit, or for an entire curriculum. ISN's use students' visual and linguistic intelligences and provide an embedded assessment tool.

July 24, 2007

Course # 072407: SMARTBoard in the Classroom: Getting Started

Facilitator: Kristine Scharaldi

For teachers of grades K-12

Come and see how the SMART Board interactive whiteboard can be used successfully in any classroom! Learn how to operate the board and use it with a variety of applications and web sites. Teachers will become familiar with the SMART Notebook software that is used to create interactive lessons and activities. See demonstrations and sample uses that highlight the best the SMART Board has to offer!

July 25, 2007

Course # 072507: SMARTBoard in the Classroom: Beyond the Basics

Facilitator: Kristine Scharaldi

For teachers of grades K-12

This workshop will allow teachers to build on their experience with the SMART Board to create dynamic and interactive learning activities! Learn how to use the tools of the SMART Notebook software to develop lessons with moving and stationary objects, including hidden answers. Use lesser-known features such as SMART Recorder and Video Player to enhance instruction. Teachers will be given hands-on time to apply new skills and will leave this workshop with a classroom-ready, interactive lesson.

July 26, 2007

Course # 072607: SMARTBoard in the Mathematics Classroom (CLOSED)

Facilitator: Kristine Scharaldi

For teachers of grades K-12

Come and see how the SMART Board interactive whiteboard can be used to engage and motivate students in the mathematics classroom. Participants will view a variety of sample activities, applications and web sites that maximize the features of the SMART Board. During this workshop, teachers will work with the SMART Board software to create interactive math lessons.

July 27, 2007

Course # 072707: SMARTBoard in the Elementary Classroom

Facilitator: Kristine Scharaldi

For teachers of grades K-5

Educators will explore how the SMART Board interactive whiteboard can be used to engage and motivate students in the elementary classroom. Participants will view a variety of sample activities, applications and web sites that maximize the features of the SMART Board. During this workshop, teachers will work with the SMART Board software to create interactive classroom lessons. Come and see opening exercises, classroom management charts, learning games and so much more using the SMART Board!

July 30, 2007

Course # 073007: Free Classroom Webpages

Facilitator: Susan Patterson

For teachers of grades K-12

Free Classroom Webpages allows teachers to explore various Internet sites that offer free webpages for teachers. We will examine the various sites to make a decision on the best one for the teacher's purpose. Come to this class and create a webpage you'll be proud to share with your parents and students.

July 31, August 1-2, 2007

The Google Institute

Facilitator: Lisa Thumann

Teachers of grades K-12



Come to 1, 2 or all 3 days and learn about many of Google's FREE applications and utilities and how and why to use them in your school district.

Registration fee: 3 days \$270, 1-2 days \$110 each day

Course # 070007 for entire 3-day institute

Course #073107: Day 1 – Tuesday, July 31, 2007

- Google Advanced Search offers students and teachers numerous options for making searches more precise and for getting more useful results.
- Google Docs and Spreadsheets is an easy to use, online word processor and spreadsheet editor that enables you to create, store, share and collaborate on documents and spreadsheets from any computer that has access to the Internet.
- Google Page Creator is an online tool that allows users to instantly publish web pages so no software is necessary. As a great tool for publishing online portfolios, Page Creator can be used to share school work with classmates, family and friends.

Course # 080107: Day 2 – Wednesday, August 1, 2007

- Blogger makes it easy to create blogs, post text and pictures, and start generating feedback from your audience. Use Blogger to post resources and lesson plans, keep parents up-to-date allow students to collaborate on projects.
- Google Groups is a free online service that helps groups communicate effectively. Students can use Google Groups to establish ways for their group to privately share news, announcements, and ideas or to store documents they are working on. Teachers can use it to centralize resources making reading materials, assignments and links available to students and parents.
- Picasa is a free application that helps users edit, organize and manage photos for projects and reports.

Course # 080207: Day 3 – Thursday, August 2, 2007

- Google Earth is a free, downloadable application that works as a browser for a virtual map of the earth. Students can use this tool to visually explore history and news and to learn map reading skills.
- Sketchup empowers students to be 3D designers. Use this tool to aid students in visualizing geometry and other math concepts or to create full-scale 3D environments to be used in conjunction with Google Earth.

August 3, 2007

Course # 080307: Games, Games, Games!!!

Facilitator: Jackie Halaw

For Teachers and Administrators, grade levels 3-12, all content areas

Turn your classroom into a game show with games like SPLAT, Who Wants to Be a Millionaire, Wheel of Fortune, and the Weakest Link! Harness your students' enthusiasm by including more games in your classroom. Learning games offer an engaging method of reinforcing and reviewing content, and they are lots of FUN! These games are also a great way to help students prepare for state testing in Language Arts, Math, and Science. This workshop will demonstrate dozens of games that can be used immediately in your classroom. Whole-class, group, and individual games will be presented along with online games and PowerPoint game templates. This workshop is for teachers in grades K-12 and for all content areas!

August 6, 2007

Course # 080607: Digital Scrapbooks in Your Classroom

Facilitator: Susan Patterson

Teachers of grades K-5

Digital cameras are all the rage. They are convenient and handy to use. But how can they be used to spice up your class? This course will show you how to make scrapbooks from your digital pictures to use in your classroom as part of your curriculum and for your students to enjoy the whole year through. Bring your digital pictures to make a scrapbook. You can bring them on the camera, jump drive or a CD.

August 7, 2007

Course # 080707: Internet Field Trips

Facilitator: Susan Patterson

Teachers of grades K-6

Internet field trips will take you to places you've only dreamed of taking your class. All you need is an Internet connection and a little imagination and you can show your class the places they are learning about. We will look at museums, aquariums, zoos, historical places and faraway places. Projects and assignments using these places will be explored.

August 8, 2007

Course # 080807: Web 2.0

Facilitator: Lisa Thumann

Teachers of grades K-12

Is Web 2.0 just the newest tech buzz word? Well, the jury's still out on an actual definition, but ed tech experts will define the components of Web 2.0 to be anything from software that is delivered through the Internet, to blogs, wikis, and other social networking sites. Join us in an exploration of the best-of-the-best Web 2.0 sites for schools.

August 9, 2007

Course # 080907: Reading and Writing Across the Curriculum

Facilitator: Heather Johnson

Teachers of grades 6-9

Every teacher is a teacher of reading. Participants will be exposed to ways to can grow students as readers within their content areas. Discussions will address important questions.

- How do I increase reading comprehension?
- How do I integrate reading into various content areas?
- Teachers will leave with handouts and internet resources to support learning.

August 10, 2007

Course # 081007: PodCasting (With and without an iPod)

Facilitator: Jackie Halaw

For Teachers and Administrators, all grade levels, all content areas

Imagine your students communicating their ideas with real audiences via the Internet, or perhaps creating a weekly online radio show for parents. In this workshop, participants will learn the basics of podcasting. Podcasting is a way for people to subscribe to audio content over the Internet. This audio content can then be automatically downloaded to a computer or mobile devices, like iPods. Tons of educational content is being developed and delivered through podcasting. Educators and students have tremendous access to audio ranging from curriculum-related content to professional development programs. The possibilities of this emerging form of communication are endless, so come and explore how this new technology can enhance learning.

August 13, 2007

Course # 081307: iLife: Using iPhoto, iMovie and iTunes to Enhance Your Classroom

Facilitator: Susan Patterson

For teachers of grades K-8

You have this wonderful machine sitting in your classroom and you wonder, now what? If that machine is an iMac or an iBook with OS X, you have a great set of tools to make your classroom "sing"! Come to this workshop and learn how iPhoto, iMovie, and iTunes can make your lessons interesting and your classroom inspiring. Participants are asked to bring their own laptop as the Center has a limited number of Mac computers available. Please indicate on your registration form if you need access to a Mac.

August 15, 2007

Course # 081507: Building Literacy Centers

Facilitator: Michelle Metula

Teachers of grades K-2

Develop a common understanding of literacy centers and discover new ideas for creating centers. Centers provide opportunities for practice and are extensions of skills and strategies taught in whole group and small group in the classroom. Centers allow for differentiated instruction on student's independent level. Learn ways to create literacy centers. This course allows for construction of various literacy centers appropriate for your classroom.

August 16, 2007

Course # 081607: Building Literacy Centers

Facilitator: Michelle Metula

Teachers of grades 3-5

Develop a common understanding of literacy centers and discover new ideas for creating centers. Centers provide opportunities for practice and are extensions of skills and strategies taught in whole group and small group in the classroom. Centers allow for differentiated instruction on student's independent level. Learn ways to create literacy centers. This course allows for construction of various literacy centers appropriate for your classroom.

Registration fee (except where indicated in description)

1-2 workshops - \$125 each registration

3-4 workshops - \$110 each registration

5 or more workshops - \$100 each registration

The registration fee is for one person attending multiple workshops or for several teachers from one school district attending one or more workshops. Applications must be faxed together. Please note that payment or receipt of purchase orders is due before day of workshop.

Summer workshops are conducted at Rutgers
Center for Mathematics, Science and Computer Education
Busch Campus

118 Frelinghuysen Road, Piscataway, NJ

<http://cmsce.rutgers.edu>

cmsce@rci.rutgers.edu

732.445.0669

732.445.3477 (fax)

Hours: 9 a.m. – 1 p.m.

Snacks will be served

Register on line at

<http://cmsce.rutgers.edu/registration.html>

Or fax the form below to 732.445.3477

Course #	Course Title

Name

Address

City, State, Zip

Phone number at which we can reach you during the summer

Email you will be reading during the summer

School

District

Address

Subject/Grade Taught

I will be paying by

check

purchase order