Welcome Page

What is PD-ROM?

The Professional Development Resources Online—Mathematics (PD-ROM) is an “Improving Teacher Quality” California Postsecondary Education Commission (CPEC)-funded, collaborative effort of California State University Departments of Mathematics and Secondary Education, Orange County Department of Education, and the Corporation for Education Network Initiatives in California (CENIC) to provide a comprehensive, standards-aligned and textbook-aligned professional development program for teachers of middle school mathematics (grades 5 through Algebra).

The project is led by Project Co-Directors Victoria Costa (Secondary Education), Harris Shultz (Mathematics), Marty Bonsangue (Mathematics), and Sandra Lapham (OCDE). Textbook publishers involved include McDougal Littell and Prentice Hall.

The PD-ROM goal is to design, implement, institutionalize, and maintain a model for online professional development in mathematics education for K-12 preservice and inservice educators that results in the following outcomes:

- Students of participating teachers will demonstrate
  - Increased academic achievement in mathematics as evidenced by improved standardized test scores

- Participating teachers will
  - have “any time, any place” access to online professional development resources to help them meet the learning needs of students;
  - communicate with their colleagues statewide as part of their continuing professional development;
  - have increased comfort with technology and greater interest in using technology;
  - work with trained online facilitators to demonstrate increased knowledge of and skills in
    - mathematical content knowledge;
    - instructional methods in core mathematics and mathematics interventions and assessment;
    - strategies and interventions that address the mathematics learning needs of students who are English learners;
    - accessing online professional development resources;
    - integrating technology-based resources included within the adopted materials into their instruction;
    - utilizing the adopted textbooks to improve teaching

- California administrators, professional development providers, and policy makers will have access to
  - “any time, any place” access to online professional development resources to help them meet the professional development needs of mathematics teachers;
  - a research-based, effective model of online delivery of professional development

Project products include online professional resources that
● are supported by printable resources;
● include video clips and supporting resources of California classroom teachers teaching diverse student populations in specific areas of the California mathematics content standards with which students have difficulty;
● are structured to allow participants to move through training while accessing additional resources based on their interests and needs;
● require participants to interact with the facilitator and each other through threaded discussions and online assessments; and
● provide access to information (printable and electronic) on math content, instructional strategies, assessment strategies, modification for diverse student groups (English learners, special populations, and struggling readers).

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Participant Teacher Information

Teacher Qualifications:
● Middle school math teacher (grades 5-9)
● Have a single subject or multiple subject credential
● Employed in a Title 1 school
● 0-5 years experience preferred
● Have access to the following technology:
  ○ Mac or PC
  ○ Email (Outlook, Express, other)
  ○ Microsoft Office (WORD, Excel, PowerPoint)
  ○ Adobe Acrobat Reader (or Professional)
  ○ Macromedia Flash Player 7
  ○ Web browser (Internet Explorer, Netscape or Safari)
  ○ High Speed network access (DSL, Cable modem, or T-1)

Teacher Requirements:
● Participate in 5 modules for a total of 80 hours of instruction from October, 2004 – November 2006
● Complete all activities associated with each module
● Complete pre-and post-assessments and project evaluations
● Design, implement, and evaluate classroom lessons

PD-ROM Project will provide:
● the structure, coursework, online learning, fieldwork coordination
● training for course facilitators and instructors
● technical and mathematics content support and resources as needed
● videoconferencing facilities and other materials as needed

Participating districts will:
● help identify candidates and support their participation in the online modules
● identify potential course facilitators

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Participant Incentives

Stipend
A stipend of $300 will be paid to each participant completing each module. Total stipends for each participant who completes all modules will be $1,500 incentive as noted.

Honorarium for Best Lesson Plans
Outstanding lesson plans will be selected by Online Facilitators and teacher authors will be awarded a 128 MB USB Flash Drive. Lesson plans will also be spotlighted in future modules and a letter of recognition will be sent to the teachers' principal and superintendent.
Classroom Set of Student Whiteboards
Upon completion of Unit 1.1 Order of Operations with Fractions, participants will be awarded a classroom set of student whiteboards (30 Base 10 graphing boards, 11 x 16 inches) additional classroom resources will be awarded in each module.

Digital Camera
Upon completion of the five modules, participants will be awarded a digital camera and necessary training.

Certificate of Completion
A PD-ROM Certificate of Achievement will be awarded for each PD-ROM module. To receive a Certificate of Achievement, your completed Lesson Plan Project must be reviewed and approved by a PD-ROM Course Facilitator. Certificates will be distributed at the completion of each module. Outstanding lesson plans will be selected by Online Facilitators and teacher authors will be awarded an honorarium. Lesson plans will also be spotlighted in future modules and a letter of recognition will be sent to the teachers' principal and superintendent.

Professional Development Hours
Module instructional hours will count toward professional development hours for credential renewal.

University Credit
University continuing education units in mathematics education will be available for a nominal fee.

Participating Districts and Schools
Teachers will be selected from Monterey Bay County, Orange County, and Los Angeles Unified School District.

College Credit
PD-ROM has established relationships with California State University, Fullerton for continuing education units for all PD-ROM modules. The CSU Fullerton course associated with these modules is MAED x901, Critical Concepts in Middle School Mathematics.

To obtain units/credits, all module activities must be fully and successfully completed. Modules carry different units of credit, based on the instructional hours associated with the module. Module 1: Critical Issues in Middle School Mathematics is equivalent to 2 units of credit.

Cost for university credit is $50.00/semester unit - or $100/Module.

PD-ROM is administered by California State University, Fullerton, College of Education. This project is funded by the California Postsecondary Education Commission (CPEC), and is a collaborative effort of California State University Departments of Mathematics and Secondary Education, Orange County Department of Education, and the Corporation for Education Network Initiatives in California (CENIC).