



Course Approval Request Form

Use this customized approval request form to print and share with your district or state teaching licensure authority when seeking approval for a Professional Development Institute course.

About PDI

The Professional Development Institute (PDI) has been offering quality online courses to K-12 educators for decades and providing training to teachers across the globe. Every PDI course is approved for credit through the American College of Education and the prestigious University of California San Diego Division of Extended Studies.

American College of Education is approved by the Higher Learning Commission. UC San Diego is part of the University of California system and is accredited by the Western Association of Schools and Colleges (WASC).

Every PDI course is instructor-led and includes practical strategies for immediate implementation into the classroom, opportunities to interact with the instructor and other participants, rich content, and valuable assignments. Teachers must spend a minimum of three weeks in each course (consecutively, when taking multiple courses) before a final grade is released.

Teacher Information

Last Name:	First Name:	ID #:
School Name:	Address:	
Email Address:	Grade Level:	Daytime Phone:

Course Number and Title:

55T02 / ACE: LE5756 / UCSD: EDUC41609 / Teaching Primary Grade Math Problem-Solving Skills

I am taking this course:

- for 3 semester units of graduate-level, degree-eligible credit through American College of Education.
- for 3 1/3 semester units of post-baccalaureate credit through UC San Diego Division of Extended Studies.
- as an in-service course. I may request a PDI Grade Report to document my completion.

Course Description:

Do you have students who excel at math computation but get lost when it is time to problem solve with word problems? Mathematical standards have shifted the focus from simply teaching problem solving to teaching *via* problem solving. This online course is designed for teachers in grades K-2 who want to help their students become critical and logical mathematical thinkers. Specific strategies are introduced to improve the way students approach math problems. Teachers will learn specific and effective strategies and techniques for teaching students how to problem solve including using manipulatives, grouping strategies, student-centered teaching, and using quality literature. Problem solving in the following areas of math are included: place value, number sense, geometry, measurement, and data. Differentiation techniques to address the problem-solving skill levels of all your students are shared. Appropriate assessment techniques specific to the problem-solving process are provided. By the end of this course, teachers will more fully understand how to best help students apply their logic and reasoning to real-world mathematical examples, and they will have gained a multitude of valuable classroom ideas.

Seeking approval for:

- _____ recertification/relicensure
- _____ personal and/or professional growth
- _____ district or state requirement

Signature

Date