Focusing on the Common Core and College Algebra

Central Wyoming College, Riverton, Wyoming
Thursday, February 17 - Friday, February 18, 2011

Meeting Agenda

Thursday, February 17 Working Dinner: Mathematics Common Core

6:00-6:30   Registration
6:30-8:30   Working Dinner: Mathematics Common Core

Description: Bernie Schnorenberg, veteran Wyoming mathematics teacher, Presidential Award winner in mathematics and former Wyoming P-16 Education Council member, will facilitate large and small group work on the Common Core Mathematics Standards and implications for teaching mathematics at the secondary and postsecondary levels. Bernie is the mathematics consultant for the Wyoming Department of Education.

Wyoming is one of 44 states that recently adopted the Common Core State Standards in mathematics and English/language arts. In this evening event, you will learn about the Common Core, and ways to incorporate its eight mathematical practices in secondary and postsecondary classes. Then, Bernie will lead the group in looking at two content skills and brainstorm ways to engage students in using mathematical practices as they study.

Friday, February 18 Meeting Sessions: Examining two big algebraic ideas: solving nonlinear inequality and transforming functions

7:30-8:00   Breakfast
8:00-8:15   Welcome and introductions (*Audrey Kleinsasser, Partnership*)
8:15-8:45   Models of college algebra (*Cheryl Raboin and Bob Creagar, Eastern Wyoming College; Bill Weber, University of Wyoming*)
8:45-9:20   Round 1, examining student work
9:20-9:55   Round 2, examining student work
9:55-10:10   Stretching break, refreshments and snacks
10:10-10:45   Round 3, examining student work
10:45-11:20   Recapping Thursday-Friday work
11:20-11:30   Meeting evaluations
11:30   Adjourn

Description: College algebra is an important course in the high school to college mathematics sequence. Depending on the setting, faculty at the high school, community college, and university levels might be teaching it. According to many who teach the course, students want to rely on memorization or familiar algorithms rather than apply general, but important mathematical principles.

Meeting Sponsors

Wyoming School-University Partnership - www.uwyo.edu/wsup
Department of Mathematics, University of Wyoming - math.uwyo.edu
University of Wyoming Science and Mathematics Teaching Center - www.uwyo.edu/smtc
University of Wyoming Summer Mathematics Institute
Qwest Foundation - www.qwest.com/about/company/community/foundation