

Oregon Mathematics Education Council

Winter Meeting

Corban College, February 3, 2007

Members Present:

Marla Baber, Laura Lethe, Ann McMahon, Jon Bridges, Martha Van Cleave, Rick Sorenson, Mike Boardman, Kathy Hall, Linda Samek, Karen Higgins, Kathie Quick, Phyllis Leonard, Nicole Rigelman, Klay Kruczek

1. Reports:

a) *State Math Contest* (Klay Kruczek):

- Next meeting at Oregon State on May 12, 2007
- Plan to meet two times a year to support and then follow-up the work on the state math contest
- Spring 2008 the contest will be at Willamette University
- Good conversations in the meetings, plan to communicate early about the differences in the contests from year-to-year so that high school teachers can plan accordingly with the students
- OCTM webpage will be updated to get the current information about the contest

b) *Oregon Mathematics Leadership Institute* (Karen Higgins):

- Third institute this summer
- Staff retreat in December
- Site visits this year have focused on 1) collaborative lesson planning framework and observations and 2) scaling-up within schools and districts
- Online courses happening again this year
- Marj Enneking was able to purchase TOMT for OMLI teachers, there is a regular monthly feature re: OMLI
- Five OMLI faculty members presented at AMTE
- Marla Baber invited everyone to visit her school on 2/22/07 to experience the collaborative lesson planning
- Some OMLI districts (and others) are experiencing lash-back from parents and others within their community... Mathematically Correct connections

c) *Oregon Department of Education* (Jon Wiens) – see the section below

- i) Mathematics Standards Revision
- ii) State Board vote on New Diploma Requirements

d) *College Board Activity Regarding Standards* (Michael Boardman)

- i) Nicole Rigelman distributed a document and information about CSMC (Center for Study of Mathematics Curriculum <http://mathlearningcenter.org>) that looks at K-12 groups that are working on standards

- ii) A math curriculum standards conference hosted by CSMC and sponsored by Achieve, ASA, College Board, and NCTM will occur on February 5 and 6 will have live webquests available – see the center’s website for more information

2. **Continue Discussion of Mathematics Standards** (Jon Wiens)

- a) The focus initially was to revise the math problem solving standards but that didn’t make sense so now all the standards are being reviewed
- b) Teachers feel that there are too many standards to cover K-8 so reducing the number of standards (like power standards) have worked to focus the standards. The state board has also said that there are too many standards and we need to focus the standards.
- c) NCTM just released focal points which have guided the development of the K-8 standards with 3 focal points per year and connections to the other standards
- d) In October, the content and assessment panel looked at the current standards and found that 1/3 to 1/2 of the standards connected to the NCTM Focal Points.
- e) In January, the panel reviewed each grade, looked for redundancy in the standards and worked on flow of the standards. At the elementary level, the group felt that the current GLS were not worded well and focused on creating bulleted lists that captured the content outlined in the bullets.
- f) Laura added: If you are not careful, teachers see the standards as a checklist. The paragraph format communicates the content and how the ideas interconnect, so creating a bulleted list that suggested depth was a challenge. How can we communicate that we are wanting kids thinking not memorize.
- g) Karen added: Skip Fennell stressed that the audience for Focal Points is not for teachers, its for teacher leaders, curriculum specialists, curriculum developers, etc. She also reminded us that this document intends to respond to the curriculum principle not the assessment, equity, teaching, learning, technology, etc.
- h) Jon would like to have OMEC give a format response to this draft of the standards. Jon has posed 7 questions (pp. 3-4) as a place to start the conversation but invites further response as well.
- i) The state standards... core standards and other standards... the core standards are essential items to cover each year, they are assessable while the others communicate important topics that are not assessed.

3. **Discussion of Oregon High School Diploma Requirements, Mathematics Requirements** (Jon Wiens)

- a) Mike distributed the Superintendent’s update. There will be 3 credits required at the high school level in mathematics. The state board has said that all 3 classes, to be counted, have to be at the Algebra 1 level and above (not necessarily through Algebra 2). Lower classes could count as elective requirements but not the 3 credits in math.
- b) Students who show that they’ve met proficiency requirements would not have to take three classes.

- c) There are no plans yet as to “how to count” this or how to track this in each district. Currently, we collect data about how many students are enrolled in each course by name.
- d) The state board is forming an Implementation Task Force to make recommendations for how to implement these changes in diploma requirements. Mike will recommend that someone be appointed to the task force from OMEC, he will contact Salam Noor (salam.noor@state.or.us) about the role we might play.
- e) Science will have 3 credits instead of 2. State board recommends that 2 of the courses be lab-based courses
- f) The board wants to see proficiency in the following Essential Skills to grant a diploma. These include: read and interpret a variety of texts; write for a variety of purposes; speak and present publicly; apply mathematics in a variety of settings; use technology; think critically and analytically (e.g., scientific inquiry, problem-solving, creative and innovative thinking); demonstrate civic and community engagement; demonstrate global literacy; and continue to demonstrate career-related learning standards.

4. OMEC Priorities for the Next Year

- a) Implementation Task Force and Diploma Requirements
 - i. Appoint member to Implementation Task Force
 - ii. Subgroup to work on diploma requirements (Kathie, Marla, Martha, Mike)
- b) Response to the Standards document that Jon distributed
 - i. Anne will take Cathy Brown’s place on the K-team (annietmc@qwest.net). Joining Klay, Kathy, Karen M., Karen H., Nicole and Mike). Drop Kathie Quick from the committee.
- c) Standards for Math and Science Teachers – Linda Samek has information.

5. Membership

Reviewed the list and recommended Lynn Bonser to replace Brian Goldman. Frazer Boergadine is no longer a principal and two names were recommended to replace the position: Larry Sleeman (Philomath MS) and Sheila Shaw (Ardenwald ES, North Clackamas SD).

6. Scheduling of Future Meetings

May 18, spring meeting at Chemeketa CC... 9:00-1:00 with lunch, joint meeting with OSEC if Mike can arrange it.