



Olympia School District

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William V. Lahmann, Superintendent

TO: Olympia School District Board of Directors

FROM: Matt McCauley, Executive Director, K-12 Teaching & Learning

DATE: March 7, 2007

RE: **Middle School Math Recommendation**

The information which follows outlines several elements related to questions generated during the February 26th School Board meeting. In this packet you will find information related to the following:

- a) Correlation between CMP2 math and science GLEs
- b) Budget information
- c) A professional development plan for the first two years of implementation
- d) Cost of materials for both CMP2 and McDougal Littell
- e) A look at current course offerings and what the course offerings will look like with the adoption of either CMP2 or McDougal Littell.

The Olympia School District administration will present a recommendation to adopt CMP2 as the core math program at the middle school level, to utilize our current Glencoe math textbooks and a classroom set of Prentice-Hall's Middle School Mathematics textbooks as supplements to the CMP2 program, and to continue offering an algebra and geometry option.

Prentice Hall, the vendor for CMP2, has offered, at no cost, to provide a classroom set of their traditional mathematics workbook which provides a cross-reference to their traditional lessons aligned with CMP2. This will provide additional support to ensure basic skill and math fluency development.

**OLYMPIA SCHOOL DISTRICT
BOARD OF DIRECTORS
INFORMATION PACKET ON MIDDLE SCHOOL MATHEMATICS**

I. MATH AND SCIENCE PREPARATION

Mathematics is a branch of science which relies heavily on investigations, making inferences, testing the inferences, analyzing and reaching conclusions. In review of the Science GLEs at grades 6, 7 and 8, there is not much specificity regarding math content that would cause us any concern about student preparedness for science. Both programs, CMP2 and McDougal Littell, have enough basic math content to provide our students with the foundational math skills to be successful in science. Furthermore, for those students who choose to accelerate in math, the algebra and geometry option will be available.

II. BUDGET and PROFESSIONAL DEVELOPMENT PLAN

PROJECTED MIDDLE SCHOOL ADOPTION BUDGET

■ Core text Adoption	\$155,000
■ Professional Development	\$ 75,000

PROFESSIONAL DEVELOPMENT

- Training in August
- Consultant every 5-6 weeks
- Professional Learning Community every 4 weeks
- Math TOSA support
- Release time for preparation- 3 full release days or paid additional time
- Building level math coach – one hired on a stipend for each middle school

**COST - SUMMER TRAINING
(Professional Development)**

The following depicts a week-long summer training plan that would take place in August. It is very likely we will combine this effort with the North Thurston Public Schools if their Board approves the recommendation made this past week to adopt CMP2. We will also begin developing a regional professional development plan to include North Thurston, Shelton, Tumwater, Yelm, and possibly Centralia.

Teacher Stipends	\$115 Day x 25 staff x 5 days	\$15,000
Registration	Provided in the purchase	\$ 0
Rooms	Will not be needed, as training will be local	\$ 0
Food	\$15 x 25 staff x 5 days	\$ 1,850
	Total	\$16,850

**COST - TOTAL YEAR 1
(Professional Development)**

Summer Training	(from above)	\$16,850
<p style="text-align: center;">Consultant</p> <p>Cost is for 6 to 8 days of training throughout the school year when the consultant will come to the district to introduce and prepare staff for the next booklet (just-in-time training).</p>	\$1,000/day x 6-8 plus travel	\$9,000
<p style="text-align: center;">Consultant</p> <p>Cost relates to possible days to bring the consultant in to train staff in the fall who were unable to attend the summer training.</p>	\$1,000/day x 5 plus travel (school year)	\$7,000
<p style="text-align: center;">Substitutes</p> <p>This relates to the days in which teachers will be released from class to receive just-in-time training.</p>	6 days x 25 x \$115	\$17,250
Professional Learning Community (PLC)	Staff development, 6-12 hours already part of district resources for staff	No Cost
<p style="text-align: center;">Additional Planning</p> <p>Time for staff to prepare to the start of the year after receiving summer training.</p>	6 hours Title II x 25 x \$40	\$6,000
<p style="text-align: center;">Release Time</p> <p>Time for staff to work on planning and implementing new curriculum.</p>	3 substitute days x 25 x \$115, or 6 half days, or equivalent pay for time on weekends.	\$8,625
	TOTAL	\$64,725

COST - TOTAL YEAR 2 (Professional development)

<p align="center">Stipends</p> <p>New staff training in August. Could be from one to five new middle school staff. We will partner this training with the regional schools (Centralia, North Thurston, Shelton, Tumwater, Yelm).</p>	<p>\$115/day x 5 staff x 5 days</p>	<p align="center">\$2,875</p>
<p align="center">Consultant</p> <p>Fee for the week training in the summer for new staff. Cost to be shared with regional districts</p>		<p align="center">TBD (to be determined)</p>
<p align="center">Consultant</p> <p>For staff new to the district or CMP2. Cost is for six to eight days of training throughout the school year when the consultant will come to the district to introduce and prepare staff for the next booklet (just-in-time training).</p>	<p>\$1,000/day x 8 plus travel</p>	<p align="center">\$9,000</p>
<p align="center">Substitutes</p>	<p>6 days x 5 x \$115</p>	<p align="center">\$3,450</p>
<p align="center">Professional Learning Community (PLC)</p>	<p>Staff development, 6-12 hours already part of district resources for staff</p>	<p align="center">No Cost</p>
<p align="center">Additional Planning</p> <p>Time for staff to prepare to the start of the year after receiving summer training.</p>	<p>3 days x 5 x \$115</p>	<p align="center">\$1,725</p>
<p align="center">Release Time</p> <p>Additional time for trained staff to meet and review.</p>	<p>3 substitute days x 25 x \$115</p>	<p align="center">\$8,625</p>
	<p align="center">TOTAL</p>	<p align="center">\$25,675</p>

III. COST OF MATERIALS FROM VENDORS

Costs are based on all middle school students, approximately 1850.

CMP2		PRENTICE HALL		
Number of Students	1850	Cost per set of books	\$67.76	Total Cost
				\$125,356
ADDITIONAL ITEMS		NO COST		
A classroom set of Prentice Hall's traditional math textbooks per teacher for use as a supplement				
Consumable workbooks				
Teacher Editions				
Test Generator				
Activity Generator				
Teacher Resource Packet				
Practice assessments and skills workbook				
Success Tracker – 6 years Math diagnostic and assessment software valued at \$35,000				

MATH 1, 2, 3		MCDUGAL LITTELL		
Number of Students	1850	Cost per set of books	\$55.98	Total Cost
				\$103,563
ADDITIONAL ITEMS		NO COST		
Classroom set of texts per teacher				
Consumable workbooks				
Teacher Editions				
Test Generator				
Activity Generator				
Teacher Resource Packet				
PowerPoint CD ROM				
Online CD ROM Text				

IV. COURSE OFFERINGS

Current Offerings

	JMS	MMS	RMS	WMS
6 th grade	6 th grade Glencoe 7 th grade Glencoe *8 th grade Glencoe	6 th grade Glencoe 7 th grade Glencoe *8 th grade Glencoe	6 th grade Glencoe 7 th grade Glencoe *8 th grade Glencoe	6 th grade Glencoe 7 th grade Glencoe *8 th grade Glencoe
7 th grade	7 th grade Glencoe 8 th grade Glencoe Algebra	7 th grade Glencoe 8 th grade Glencoe Algebra	7 th grade Glencoe 8 th grade Glencoe Algebra	7 th grade Glencoe 8 th grade Glencoe Algebra
8 th grade	8 th grade Glencoe - (Pre-Algebra) Algebra Geometry	8 th grade Glencoe - (Pre-Algebra) Algebra Geometry	8 th grade Glencoe - (Pre-Algebra) Algebra Geometry	8 th grade Glencoe - (Pre-Algebra) Algebra Geometry

Proposed CMP2 Offerings

	JMS	MMS	RMS	WMS
6 th grade	6 th grade CMP2 7 th grade CMP2 8 th grade Glencoe	6 th grade CMP2 7 th grade CMP2 8 th grade Glencoe	6 th grade CMP2 7 th grade CMP2 8 th grade Glencoe	6 th grade CMP2 7 th grade CMP2 8 th grade Glencoe
7 th grade	7 th grade CMP2 8 th grade CMP2 Algebra	7 th grade CMP2 8 th grade CMP2 Algebra	7 th grade CMP2 8 th grade CMP2 Algebra	7 th grade CMP2 8 th grade CMP2 Algebra
8 th grade	8 th grade CMP2 Algebra Geometry	8 th grade CMP2 Algebra Geometry	8 th grade CMP2 Algebra Geometry	8 th grade CMP2 Algebra Geometry

CMP2 PLACEMENTS -- There will be two options in the CMP2 courses.

A “Norm” group which is intended to move through the course work at a moderate pace to ensure depth of learning. These students would complete all three years of CMP2 and begin high school taking algebra

A “Challenge” group which would work at a faster pace through the three years of CMP2 with the intent of completing all 24 booklets and receiving algebra credit at the 8th grade and begin high school taking geometry.

PHASE IN PLAN – We will phase CMP2 into the school as follows. All schools will begin implementing the 6th grade CMP2 program for students as the core material. We will offer 7th grade CMP2 for those students who were in the 6th grade CMP2 pilot classes. We will only have one site, Jefferson Middle School, that will have 8th grade CMP2

Proposed McDougal-Littell Offerings

	JMS	MMS	RMS	WMS
6 th grade	6 th grade M-L 7 th grade M-L 8 th grade M-L	6 th grade M-L 7 th grade M-L 8 th grade M-L	6 th grade M-L 7 th grade M-L 8 th grade M-L	6 th grade M-L 7 th grade M-L 8 th grade M-L
7 th grade	7 th grade M-L 8 th grade M-L Algebra	7 th grade M-L 8 th grade M-L Algebra	7 th grade M-L 8 th grade M-L Algebra	7 th grade M-L 8 th grade M-L Algebra
8 th grade	8 th grade M-L Algebra Geometry	8 th grade M-L Algebra Geometry	8 th grade M-L Algebra Geometry	8 th grade M-L Algebra Geometry