

CMP2 Units  
2007-2008

### 5th Grade

Prime Time  
Bits and Pieces 1  
Shapes and Designs  
Data About Us

### 6th Grade

Shapes and Designs  
Bits and Pieces II  
Covering and Surrounding  
Bits and Pieces III  
\*Supplemental Algebra Unit  
Data About Us  
How Likely Is It?

### 7th Grade

Bits and Pieces III  
Variables and Patterns  
Stretching and Shrinking  
Comparing and Scaling  
Accentuate the Negative  
Data Distributions  
Filling and Wrapping

### 8th Grade

Moving Straight Ahead  
Thinking with Mathematical Models  
Looking for Pythagoras  
Samples and Populations  
Kaleidoscopes, Hubcaps, and  
Mirrors  
Growing, Growing, Growing  
Frogs, Fleas, and Painted Cubes

## Helpful Online Resources

The following are two on-line resources directly related to CMP2.

► [www.phschool.com/cmp2](http://www.phschool.com/cmp2)

### For Students

- Homework Help
- Multiple-Choice Skills Practice
- Active Math Online
- Did You Know?
  - Investigation Problem Samples
- Vocabulary Quiz

### For Parents

- Parent Guide which includes:
  - Unit Concepts
  - Examples
  - Spanish Version

► [www.connectedmath.msu.edu/parents](http://www.connectedmath.msu.edu/parents)

- Homework Tips
- Math Help by grade and book
- Concepts with Explanations
- Selected ACE Homework
- Glossary

### Other Math Resources

<http://hotmath.com>  
and click on middle math series  
<http://mathforum.org>  
and click on Ask Dr. Math  
<http://athomewithmath.terc.edu>  
<http://lhsparent.org>  
<http://www.aplusmath.com>  
<http://www.aaamath.com>  
<http://www.mathstories.com>

# CONNECTED MATHEMATICS PROJECT

# CMP2

## PARENT INFORMATION



1113 Legion Way SE Olympia WA 98501  
<http://osd.wednet.edu>

## Helping Your Child with Math Homework

CMP2 is a math program that emphasizes problem-solving and a deeper understanding of key math concepts. Here are some questions you can use to guide your child's thinking about his/her math homework.

### 1. Getting Started

- What do you need to find out?
- What do you need to know?
- What terms do you understand or not understand?
- Have you solved similar problems that would help?

### 2. Working on the Problem

- How can you organize the information?
- Do you see any patterns or relationships that will help solve this?
- Can you describe a strategy you can use to solve this?
- Can you make a drawing to explain your thinking?
- What would happen if. . . ?

### 3. Reflecting On a Solution

- Has the question been answered?
- How can you convince me your answer makes sense?
- What mathematical skills and ideas did you use to solve the problem?
- What did you try that did not work?

### 4. Clarifying and Extending Thinking

- Help me understand this part. . .
- Can you explain it in a different way?
- Is there another possibility or strategy that would work?
- How is this connected to other ideas that you have learned?

## Helping Your Child Develop Good Math Habits

### ✓ Help Your Child Find a Productive Study Area

Find a quiet area to study. Have available materials such as graph paper, notebook paper, a ruler and a dictionary.

### ✓ Develop a System

Help your child develop a system for writing down assignments and keeping track of progress. Check to make sure your child does so consistently.

### ✓ Develop Note Taking Skills

Check to see that your child has developed a system for taking meaningful notes.

### ✓ Organize Your Notebook

Routinely check to see if your child is correctly following the teacher's guidelines for keeping notebooks.

### ✓ Foster Time Management Skills

Encourage and expect your child to get work done on time, to stay caught up, to get help in a timely manner and to correct errors in work.

### ✓ Find Study Buddies

Encourage your child to identify study buddies or another student they can call to work with on assignments, get clarification or find out about make-up work.

## Other Ways You Can Help

### ▶ Master the Needed Skills

If your child is not proficient with addition, subtraction, multiplication, and division help them master the needed skills. Parent and teacher resources are listed on the back.

### ▶ Encourage an Interest in Real-World Math.

Mathematics is everywhere, yet many children don't see it. Point out and reinforce mathematics skills at home. For example:

- ▶ Talk about how you use math at work or home.
- ▶ Involve your child in tasks that require computing, measuring, estimating, building, problem-solving and reasoning.
- ▶ Look for activities that require your child to use their mathematical skills such as building scale models, cooking, planning trips and playing logic games.

### ▶ Have Your Child Explain What They Learned

Invite your child to explain what he/she learned in class. It gives them an opportunity to clarify their thinking, to practice new skills and to communicate mathematically.

### ▶ Look for Games, Articles, Software

Using games and activities is another way of teaching and/or reinforcing mathematics skills and thinking.

Many newspaper or magazine articles have data that might interest your child (e.g., sports stories, polls, studies). Share them and talk about what the numbers mean.

If your child has access to a computer, look for software that reinforces and teaches mathematical concepts.