Pearson’s Connected Mathematics 3™ ©2014 (CMP3) for Grades 6–8 is strongly aligned to the instructional shifts required by the Common Core State Standards:

- Focus deeply on a narrower set of key topics per grade
- Clearly connect students’ learning across grade levels
- Ensure students have the opportunity to both build procedural fluency and apply their thinking to real-world problems
**CMP3** provides the rigorous instructional pedagogy required by the Common Core State Standards while making it easy for teachers to reach 21st century students in their middle grades math classes.

**Background:**

The National Science Foundation funded the Connected Mathematics Project (CMP) at Michigan State University between 1991 and 1997. The result was Connected Mathematics, a complete mathematics curriculum for Grades 6, 7, and 8 that helps students develop an understanding of important concepts, skills, and ways of thinking and reasoning—in number, geometry, measurement, algebra, probability, and statistics. In 2000, the National Science Foundation funded a revision of the Connected Mathematics materials, **CMP2**, to take advantage of findings during six years of classroom use. Then, in 2012, the same authorship team created the next generation of the Connected Mathematics Project — **CMP3**. This new curriculum aligns the program’s existing rigor and emphasis on constructing viable arguments to the Common Core State Standards.

**CMP3** maintains the proven-effective pedagogy of **CMP2**. Investigations in **CMP3** ensure students master the rigorous mathematics required by the Common State Standards every day.

Check out research and validity at ConnectedMathematics3.com

**Daily Instructional Flow:**

<table>
<thead>
<tr>
<th><strong>LAUNCH</strong></th>
<th><strong>EXPLORE</strong></th>
<th><strong>SUMMARIZE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Teacher</strong></td>
<td><strong>Students</strong></td>
<td><strong>Teacher</strong></td>
</tr>
<tr>
<td>• Introduces new concepts</td>
<td>• Gather data</td>
<td>• Analyze data</td>
</tr>
<tr>
<td>• Helps students understand the context</td>
<td>• Share ideas</td>
<td>• Observe differences and similarities</td>
</tr>
<tr>
<td>• Issues the mathematical challenge – “problem”</td>
<td>• Make conjectures</td>
<td>• Discuss/refine strategies</td>
</tr>
<tr>
<td>• Reviews old concepts</td>
<td>• Develop strategies</td>
<td>• Encourages, Redirects</td>
</tr>
<tr>
<td></td>
<td>• Create arguments to support</td>
<td>• Develop rules or generalizations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Common Core:

*Connected Mathematics 3* embraces the essence of the Common Core State Standards at a basic level through its instructional philosophy based on inquiry and applications. Throughout the program, students focus on problem-solving strategies, habits of mind, and mathematical proficiency. *CMP3* students learn to communicate their reasoning by constructing viable arguments, offering proofs, and using representations. These approaches, which are aligned with the Standards for Mathematical Practice, are explicitly woven within the content of the curriculum and connected to the Common Core State Standards for Mathematics.

Digital resources that motivate students and make teachers more productive:

**Teacher Place**

Teacher Place was created to make planning, teaching, and classroom management a whole lot easier. The online teacher dashboard, powered by Dash, allows users to interact with instructional content in a flexible, personalized way.

Teachability is a new community on Teacher Place. It lets *CMP3* teachers collaborate with other *CMP3* instructors. Teachers can share ideas, ask questions, offer tips, and share helpful strategies to improve student achievement.

**Student Place**

Student Place, featuring ACTIVe-book, is where *CMP3* students access their online math content, graded homework, and teacher comments. It gives students (and their parents) anytime-anywhere access for a personalized learning experience.

Math comes alive for students with interactive digital tools. Most lessons kick off with real-world problem solving Launch Videos. Student Activities facilitate reasoning and conjecture, while Math Tools allow for hands-on learning.

Experience *CMP3* technology NOW! ConnectedMathematics3.com

PLUS! MathXL® for School also available for additional skills practice.
Your Teacher and Student Materials

Student Bundles include content in both print and digital formats; digital-only access is also available

Course Table of Contents

Grade 6
1. Prime Time: Factors and Multiples
2. Comparing Bits and Pieces: Ratios and Equivalent Fractions
3. Let’s Be Rational: Understanding Fraction Operations
4. Covering and Surrounding: Two-Dimensional Measurement
5. Decimal Operations: Computing with Decimals and Percents
6. Variables and Patterns: with Decimals and Percents
7. Data about Us: Statistics and Data Analysis

Grade 7
1. Comparing Bits and Pieces: Ratios
2. Prime Time: Factors and Multiples
3. Let’s Be Rational: Understanding Fraction Operations
4. Covering and Surrounding: Two-Dimensional Measurement
5. Decimal Operations: Computing with Decimals and Percents
6. Variables and Patterns: with Decimals and Percents
7. Data about Us: Statistics and Data Analysis

Grade 8
1. Thinking with Mathematical Models: Linear Inverse Variation
2. Looking for Pythagoras: The Pythagorean Theorem
3. Growing, Growing, Growing: Exponential Functions
4. Frogs, Fleas, and Painted Cubes: Quadratic Functions
5. Butterflies, Pinwheels, and Wallpaper: Symmetry and Transformations
6. It’s In the System: Systems of Linear Equations and Inequalities
7. It’s In the System: Systems of Linear Equations and Inequalities
8. Function Junction: The Families of Functions

Grade 8 Algebra 1
1. Thinking with Mathematical Models: Linear and Inverse Variation
2. Looking for Pythagoras: The Pythagorean Theorem
3. Growing, Growing, Growing: Exponential Functions
4. Frogs, Fleas, and Painted Cubes: Quadratic Functions
5. Butterflies, Pinwheels, and Wallpaper: Symmetry and Transformations
6. Say It With Symbols: Making Sense of Symbols
7. It’s In the System: Systems of Linear Equations and Inequalities
8. Function Junction: The Families of Functions

Teacher Bundles include the full suite of teacher resources available for the program; components also available separately. (Grade 6 bundle shown).