

**SHIFT TO COMMON CORE: MATHEMATICS\***  
 \*Adapted from EngageNY.com

**Mathematics Shift #1: Learn More about Less**

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Spend more time on fewer concepts</li> </ul>	<ul style="list-style-type: none"> <li>• Know what the priority work is for your child for their grade level</li> <li>• Spend time with your child on priority work</li> <li>• Ask your child's teacher about their progress on priority work</li> </ul>

**Mathematics Shift #2: Skills Across Grades**

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Keep building on learning year after year</li> </ul>	<ul style="list-style-type: none"> <li>• Be aware of what your child struggled with last year and how that will affect learning this year</li> <li>• Advocate for your child and ensure that support is given for "gap" skills (during the transition to common core)</li> </ul>

**Mathematics Shift #3: Speed and Accuracy**

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>																
<ul style="list-style-type: none"> <li>• Spend more time practicing lots of problems on the same idea</li> </ul>	<ul style="list-style-type: none"> <li>• Push children to know/memorize basic math facts</li> <li>• Know all of the "key fluencies" your child should have and prioritize learning of the ones they don't</li> </ul> <p>"Key fluencies:"</p> <table border="0"> <tr> <td>K</td> <td>Add/Subtract within 5</td> </tr> <tr> <td>1</td> <td>Add/Subtract within 10</td> </tr> <tr> <td>2</td> <td>Add/subtract within 20</td> </tr> <tr> <td>3</td> <td>Add/subtract within 100 (paper and pencil)</td> </tr> <tr> <td>3</td> <td>Multiply/divide within 100</td> </tr> <tr> <td>4</td> <td>Add/subtract within 1000</td> </tr> <tr> <td>5</td> <td>Add/subtract within 1,000,000</td> </tr> <tr> <td></td> <td>Multi-digit multiplication</td> </tr> </table>	K	Add/Subtract within 5	1	Add/Subtract within 10	2	Add/subtract within 20	3	Add/subtract within 100 (paper and pencil)	3	Multiply/divide within 100	4	Add/subtract within 1000	5	Add/subtract within 1,000,000		Multi-digit multiplication
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**Mathematics Shift #4: Know it and Do it!**

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Understand why the math works. Make the math work</li> <li>• Talk about why the math works</li> <li>• Prove that they know why and how the math works</li> </ul>	<ul style="list-style-type: none"> <li>• Notice whether your child really knows why the answer is what it is.</li> <li>• Advocate for the time your child needs to learn key math</li> <li>• Provide time for your child to work with math at home</li> </ul>

**Mathematics Shift #5: Real World**

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Apply math in real world situations</li> <li>• Know which math to use for which situation</li> </ul>	<ul style="list-style-type: none"> <li>• Ask your child to do the math that comes up in your daily life</li> </ul>

**Mathematics Shift #6: Think Fast / Solve Problems**

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Be able to use core math facts FAST</li> <li>• Be able to apply math in the real world</li> </ul>	<ul style="list-style-type: none"> <li>• Make sure your child is practicing the math facts that he/she struggles with</li> <li>• Make sure your child is thinking about math in real life</li> </ul>

## SHIFT TO COMMON CORE: LANGUAGE ARTS\*

\*Adapted from EngageNY.com

### ELA Shift #1: Read More Non-Fiction

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Read more Non-Fiction</li> <li>• Enjoy and discuss the details of non-fiction</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Supply more non-fiction text (based on interest!)</li> <li>• Read non-fiction aloud with your child</li> <li>• Have fun with non-fiction</li> </ul>

### ELA Shift #2: Learn About the World Through Reading

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Learn Science and Social Studies through Reading</li> <li>• Handle "primary source" documents</li> </ul>	<ul style="list-style-type: none"> <li>• Find books that explain</li> <li>• Discuss the ideas within non-fiction pertaining to history, science, math, and other areas.</li> </ul>

### ELA Shift #3: Read More Complex Material Carefully

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Re-read</li> <li>• Read material at comfort level in addition to reading more challenging texts</li> <li>• "Unpack" texts</li> <li>• Handle frustration and keep pushing</li> </ul>	<ul style="list-style-type: none"> <li>• Provide more challenging texts and provide texts they WANT to read and CAN read comfortably</li> <li>• Know what is grade-level appropriate</li> <li>• Read with them and show that discussing and digging into the meaning of texts is meaningful!</li> </ul>

### ELA Shift #4: Discuss Reading Using Evidence

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Find evidence to support their arguments</li> <li>• Form judgments</li> <li>• Become scholars</li> <li>• Discuss what the author is "up to"</li> </ul>	<ul style="list-style-type: none"> <li>• Talk about text</li> <li>• Demand evidence in everyday discussions and disagreements</li> <li>• Read aloud or read the same book simultaneously and discuss using evidence</li> </ul>

### ELA Shift #5: Writing from Sources

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Make arguments using evidence</li> <li>• Compare multiple texts in writing</li> <li>• Write well</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage writing at home</li> <li>• Write "books" together using evidence and details</li> </ul>

### ELA Shift #6: Academic Vocabulary

<i>What Students Will Learn to Do</i>	<i>What Parents Can Do at Home</i>
<ul style="list-style-type: none"> <li>• Learn words that they can use in college and career</li> <li>• Choose more academic language in appropriate contexts</li> </ul>	<ul style="list-style-type: none"> <li>• Read often and constantly with babies, toddlers, preschoolers, and school children</li> <li>• Read multiple books about the same topic</li> <li>• Let your kids see you reading</li> <li>• Talk to your children; read to your children; listen to your children; sing with your children; make up silly rhymes and word games with your children.</li> </ul>