Please write each question you have about the APS mathematics courses on one index card. One question per card please.

Use as many cards as you like!

We’re glad you came!
APS Mathematics
Continuous Learning in Math

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Middle School Mathematics
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Inman Middle School – September 26, 2013
Click in Slide Show Mode to Watch Video
An Overview of CCGPS Math Course Pathways

1. **Purposeful** College and Career Readiness for all students

2. **Equity** of access to advanced curriculum opportunities for all students

3. **Flexibility** for different growth rates and entry points for all students

4. **Serving** the needs of all students
Common Core Math Shifts

1. Focus

2. Coherence

3. Rigor
   (Skills, Application, and Conceptual Understanding all with equal intensity)
An Overview of CCGPS Math Course Pathways

There are 3 curriculum content pacing paths in APS middle and high school mathematics

1. Standard CCGPS mathematics

2. Advanced CCGPS mathematics

3. Accelerated CCGPS mathematics
APS Accelerated Mathematics

• Designed for students in grades 6-10 who meet the 3 criteria in the APS Continuous Learning Plan for Mathematics

• Accelerated mathematics is not different content - just the same content taught at a faster pace

• Students study 1.5 years of mathematics in one year following the Georgia DOE Accelerated math scope and sequence

• After successful course path completion, and depending on their strengths, students study either Coordinate Algebra or Accelerated Coordinate Algebra in Grade 8
APS Advanced Mathematics

• Designed for students who meet the 3 criteria in the APS Continuous Learning Plan for Mathematics

• **Transition** courses that prepare students in grades 6-7 to “jump ahead” one course year

• Starting in 2014-2015, students who have successfully completed the transition courses and meet the criteria will be advanced one year in mathematics

• After successful course path completion, and depending on their strengths, students study **either** Coordinate Algebra or Accelerated Coordinate Algebra in Grade 8
Boxes with dotted lines indicate courses that will be phased out after 2014-2015.
An Overview of CCGPS Math Course Pathways

• APS is using multiple data measures to assess student learning needs in mathematics. These include:
  o State CRCT/EOCT data
  o APS Performance Series Computer Adaptive Assessment
  o Teacher recommendations
  o Parent and student input

• Pathways are not rigid – there is flexibility to move

• Pathways of study meet the student where they are and strive to advance them to the next level

• There are recommended guidelines and criteria for students to advance to the next level in the pathway
Criteria for Mathematics Courses

<table>
<thead>
<tr>
<th>Rising 7th</th>
<th>Advanced/Honors Prerequisites</th>
<th>Accelerated Prerequisites</th>
<th>Year-Ahead Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CCGPS Math 7 Advanced/Honors</strong>&lt;br&gt;27.0220040 Math 7/H</td>
<td><strong>CCGPS Math 7B/8</strong>&lt;br&gt;27.0222000 Math 7/A</td>
<td><strong>CCGPS Math 8</strong>&lt;br&gt;27.0230000 Math 8</td>
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<tr>
<td>• Score in the “exceeding standards” range on the CCGPS Mathematics Grade 6 CRCT <strong>OR</strong> national percentile ranking of 80+ on the mathematics portion of the APS Grade 6 Computer Adaptive Assessment</td>
<td>• Score in the “exceeding standards” range on the CCGPS Mathematics Grade 8 CRCT <strong>AND</strong> national percentile ranking of 80+ on the mathematics portion of the APS Grade 8 Computer Adaptive Assessment</td>
<td>• Score in the “exceeding standards” range on the CCGPS Mathematics Grade 6 CRCT <strong>OR</strong> national percentile ranking of 60+ on the mathematics portion of the APS <strong>Grade 7 Performance Series Computer Adaptive Assessment</strong></td>
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<tr>
<td>• B or better average in the Mathematics Grade 6 course</td>
<td>• B or better in CCGPS Accelerated Math 6/A</td>
<td>• B or better average in the CCGPS Advanced Mathematics Grade 6 course</td>
<td></td>
</tr>
<tr>
<td>• Written recommendation from the Grade 6 mathematics teacher</td>
<td>• Written recommendation from the Grade 6 Accelerated mathematics teacher</td>
<td>• Written recommendation from the Grade 6 Advanced mathematics teacher</td>
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<tr>
<td>• Written agreement signed by the student and guardian/parent containing the criteria for maintaining enrollment in the course</td>
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</tbody>
</table>
Ideas for out-of-classroom enrichment

• Mathematics clubs (in-school and/or regional)
• Mathematics contests (in-school, state, and national)
• Problem of the Week or Month (in-school bulletin boards)
• Connections/specials for mathematics (in-school)
• Saturday enrichment (in-school or regional)
• Mathematics and logic-based computer games and physical games
• Enrollment in web-based sites that promote mathematical thinking and engagement with others
Resources and Contact Information

• *Faster is Not Smarter* by Cathy Seeley

• *Mindset* by Carol Dweck

• [www.mindsetworks.com](http://www.mindsetworks.com)

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