K-12 Mathematics Standards Review Process Update

February SBOE 2020
Matt Jones, Chief of Staff
GaDOE.org/standards
Citizens Review Committee
Citizens Review Committee

Composed of 21 members appointed by the Governor and State School Superintendent, representing parents, students, business leaders, educators and concerned citizens.

Roles and Responsibilities

• **Be a voice** - providing feedback, insight and input on behalf of Georgia’s students, parents, business leaders and concerned citizens.

• **Articulate the K-12 Mathematics Standards Review Process** and the roles of the Academic Review Committee and Working Committee of Teachers.
Citizens Review Committee

Roles and Responsibilities (cont.)

• Inform the work of the Working Committee of Teachers by reviewing the results of the stakeholder survey for mathematics, providing feedback and adding key themes or observations about the survey.

• Review the recommended revisions of the revised standards made by the Working Committee of Teachers and provide feedback.
Citizens Review Committee

Facilitated by the Carl Vinson Institute

Dec. 6th -- First Meeting

• Overview of review process
• Stakeholder survey results (pgs. 4-11)
• Feedback by Group (pgs. 12-13)
  • Business and Government
  • Parents and Students
  • Educators
Citizen’s Review Committee: Feedback Themes

Business and Government
- Traditional math methods and creativity
- Mastering basic concepts

Parents and Students
- *Models*: Performance: Minnesota, Pre-CC Massachusetts; Clarity: Indiana
- Relevance
- Stress accurate calculation rather specific process
Citizens Review Committee: Feedback Themes

Educators

- Basic arithmetic facts
- Fewer, more concise standards
- Teacher-level professional learning is key

Common Discussion

- “Rigor” – challenging versus confusing
Citizens Review Committee

Up next: 2nd Meeting – Providing feedback

• Review the recommended revisions to the current mathematics standards
Teacher Working Committee
Teacher Input and Involvement

<table>
<thead>
<tr>
<th>Grade Span</th>
<th>2015 Standards Review</th>
<th>2019 Standards Review</th>
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</thead>
<tbody>
<tr>
<td>K-2</td>
<td>7 teachers</td>
<td>24 teachers</td>
</tr>
<tr>
<td>3-5</td>
<td>6 teachers</td>
<td>30 teachers</td>
</tr>
<tr>
<td>6-8</td>
<td>7 teachers</td>
<td>30 teachers</td>
</tr>
<tr>
<td>High School</td>
<td>13 teachers</td>
<td>109 teachers</td>
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<tr>
<td>Total</td>
<td>33 teachers</td>
<td>193 teachers</td>
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+24 – leads (grade/grade span) & higher education

TOTAL: 217 mathematics educators
Teacher Working Committee

Met January 15-17th

Organized into grade-level teams

Video welcome from Governor Kemp
Focus of the 1st Teacher Working Committee Meeting

• **Orientation:** Overview of standards review process
• **Deep Discussion:** Nearly 10 years since majority of standards were adopted
• **Essentials:** Identifying big ideas and key concepts/skills
• **Feedback:** Discussing survey results and Citizens Review report
• **Coherence:** Organizing skills/concepts into clusters
• **Ideas:** Standards/frameworks from other states
## Focus of the Upcoming Teacher Working Committee Meeting

<table>
<thead>
<tr>
<th>Feedback...</th>
<th>Addressed by...</th>
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<tbody>
<tr>
<td>Accessible language</td>
<td>Terminology used; clarity; identifying jargon</td>
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<tr>
<td>Age/Developmentally Appropriate</td>
<td>When concept/skill is introduced; wording; breaking up complex concepts</td>
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<tr>
<td>Too many standards/content</td>
<td>Fewer and focused; ‘breathing room’ in content</td>
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<tr>
<td>Sequencing/Cohesion</td>
<td>Strong learning progressions with reinforced fundamentals</td>
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<tr>
<td>Instructional Supports</td>
<td>Examples; student learning; multiple methods</td>
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<tr>
<td>Alignment to expectations</td>
<td>NAEP, SAT, ACT, Accuplacer, etc.</td>
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Process

- Stakeholder Survey
- Citizens Review
- Teachers
- Academic Review & Citizens Review

July-Sept 2019 | Dec 2019 | Jan-Feb 2020

Responsive to key stakeholder feedback
## Timeline

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<td>Professional learning/training;</td>
<td>Full implementation of</td>
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<tr>
<td>Mathematics</td>
<td>Update assessments</td>
<td>Mathematics standards</td>
<td>ELA standards</td>
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