

K-12 Mathematics Standards Review Process Update

February SBOE 2020

Matt Jones, Chief of Staff



GaDOE.org/standards

The screenshot shows the GaDOE.org website with the following elements:

- Header:** GaDOE logo (Georgia Department of Education), search bar, and social media icons (RSS, Twitter, YouTube, Google+, Facebook, LinkedIn).
- Navigation:** Richard Woods, Georgia's School Superintendent; menu items: Offices & Divisions, Programs & Initiatives, Data & Reporting, Learning & Curriculum, State Board & Policy, Finance & Operations, Contact.
- Breadcrumbs:** Home → Policy, Flexibility, and External Affairs → Communications → Math & ELA Standards Process
- Section Header:** Math & ELA Standards Process
- Text:** "These efforts, led by the Office of the Governor in partnership with the Georgia Department of Education and State School Superintendent Woods, will address the English Language Arts (ELA) and mathematics standards currently known as the Georgia Standards of Excellence." "We will continue to update this page as the standards process moves forward."
- Section Header:** Survey Results
- Text:** "In July 2019, we released surveys on the Georgia Standards of Excellence for Mathematics and English Language Arts. Both surveys were made available to all stakeholders, including teachers, educational leaders, business/industry, and community members. In total, from July 23 to September 26, nearly 14,000 Georgians completed the math survey and more than 11,000 completed the ELA survey. Results and key findings are below, from their responses are below."
- Links:** Key Findings from the Mathematics Survey, Key Findings from the ELA Survey, Mathematics Results, ELA Results
- Section Header:** Review Process
- Diagram:** K-12 Mathematics Standards Review Process flowchart with four main steps:
 - Post Public Feedback Survey:** July 16 - September 6, 2019. GaDOE posts survey on website/email, open to all Georgians to provide general feedback.
 - Share Survey Results:** September 25 and 26, 2019. State School Superintendent shares results with the Governor's Office and State Board of Education.
 - Convene Citizens Review Committee:** December 2019. 20 members appointed by Governor and State School Superintendent (10 each). Made up of parents, students, business/industry leaders, and community members. Facilitated by the Carl Vinson Institute. Reviews survey results. Provides additional feedback.
 - Convene Working Committees of Teachers:** January 2020-February 2020. Given charge by Governor and State School Superintendent. Made up of content area classroom teachers for each grade level and geographically representative of the state. An equal number of appointments of teachers to serve on these committees will be made by the Governor, State School Superintendent, State Board of Education, and Georgia Department of Education's Curriculum and Instruction Division. Makes draft revisions to current standards based on survey feedback, classroom perspective, feedback from Citizens Review Committee, and input from the Governor and State School Superintendent.



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

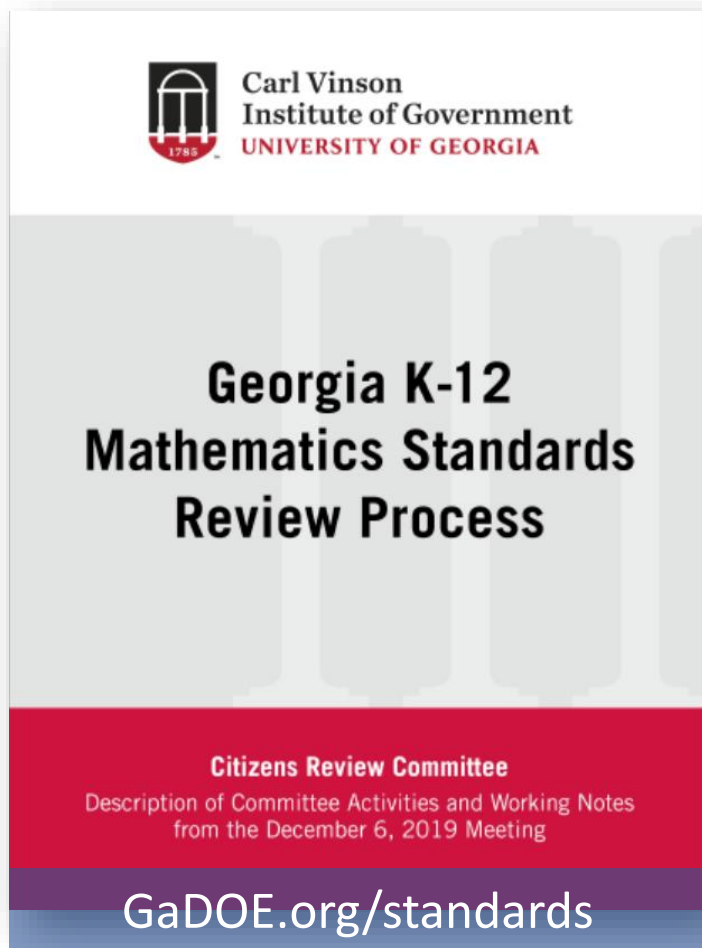
- **Be a voice** - providing feedback, insight and input on behalf of Georgia's students, parents, business leaders and concerned citizens.
- **Articulate the K-12 Mathematics Standards Review Process** and the roles of the Academic Review Committee and Working Committee of Teachers.

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

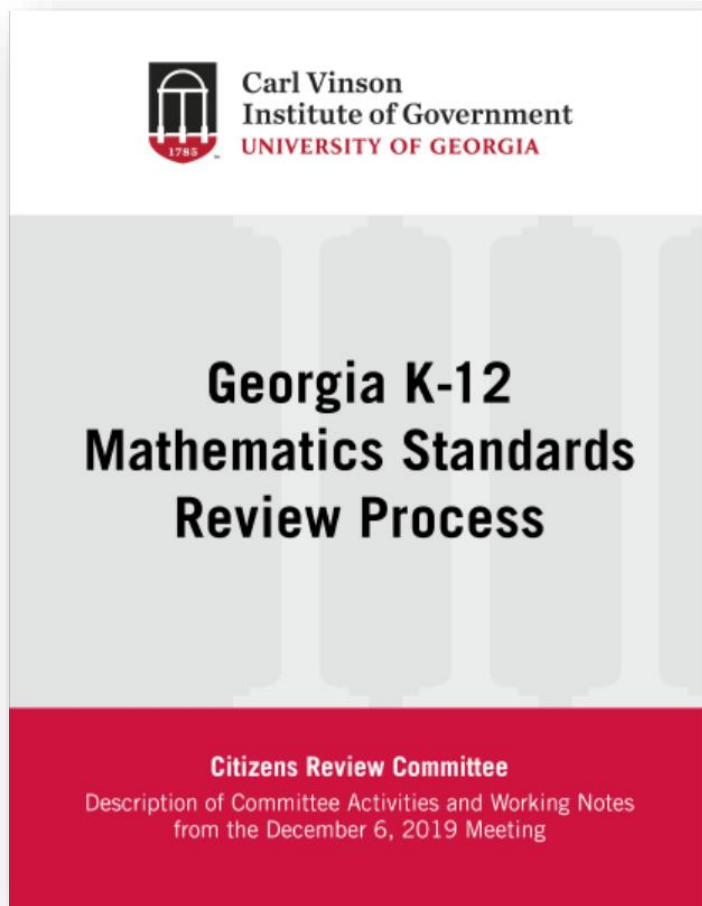


Facilitated by the Carl Vinson Institute

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



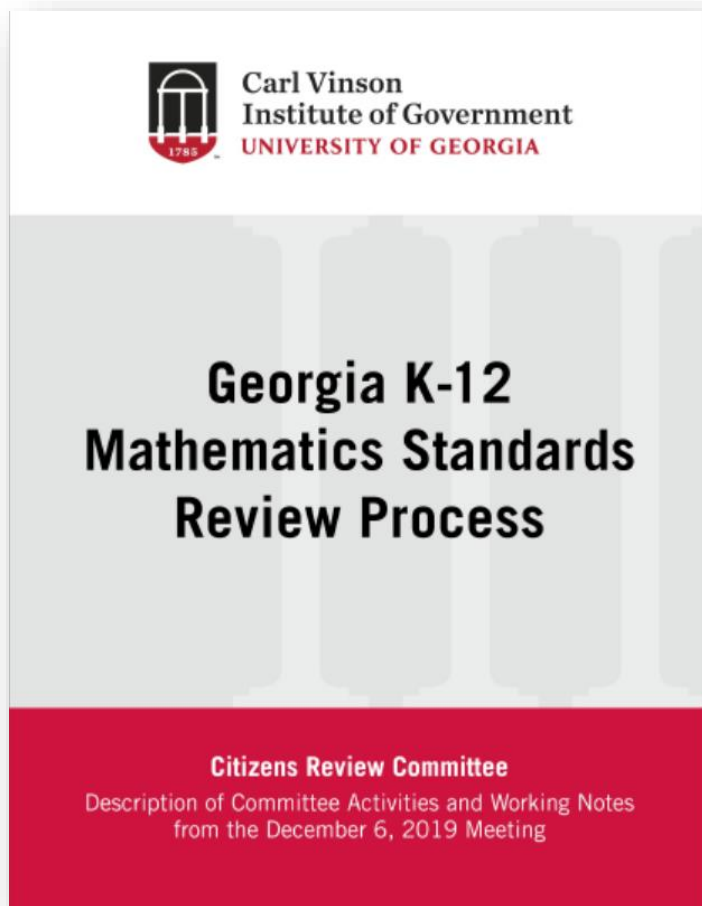
Business and Government

- 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

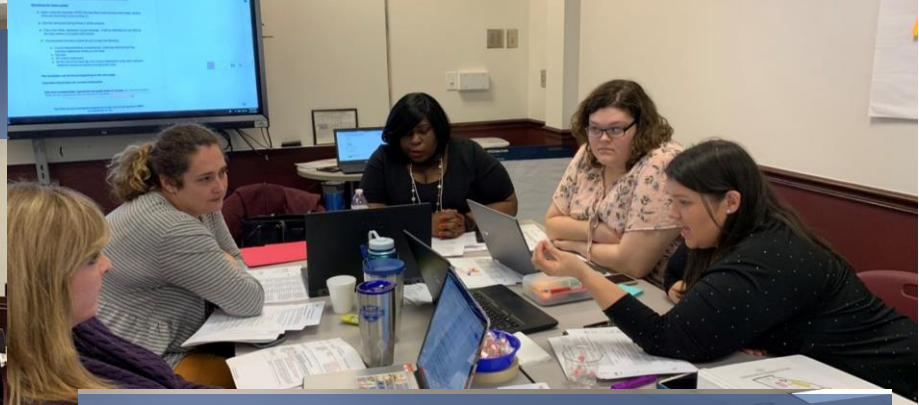
Grade Span	2015 Standards Review	2019 Standards Review
K-2	7 teachers	24 teachers
3-5	6 teachers	30 teachers
6-8	7 teachers	30 teachers
High School	13 teachers	109 teachers
Total	33 teachers	193 teachers

**TOTAL: 217
mathematics
educators**

+24 – leads (grade/grade span) & higher education



Teacher Working Committee



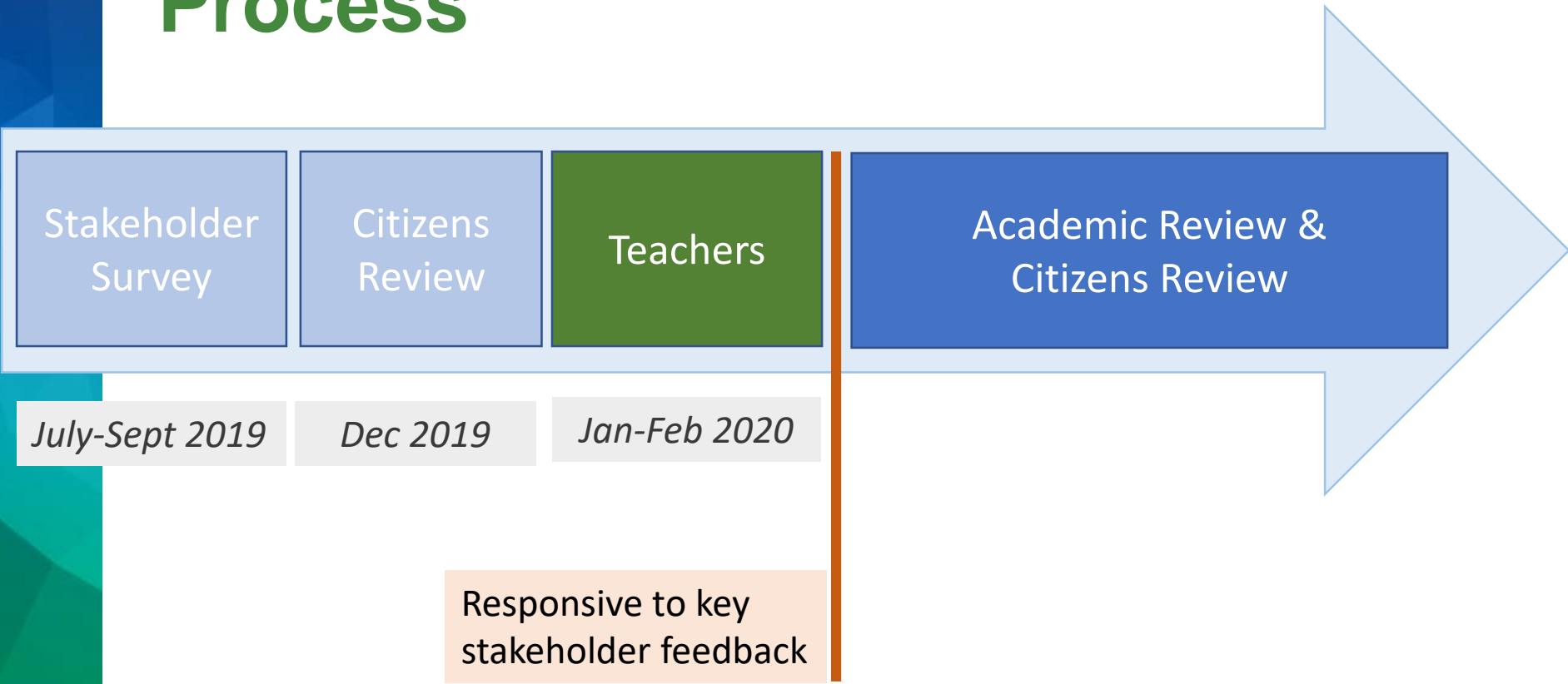
Focus of the 1st Teacher Working Committee Meeting

- **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

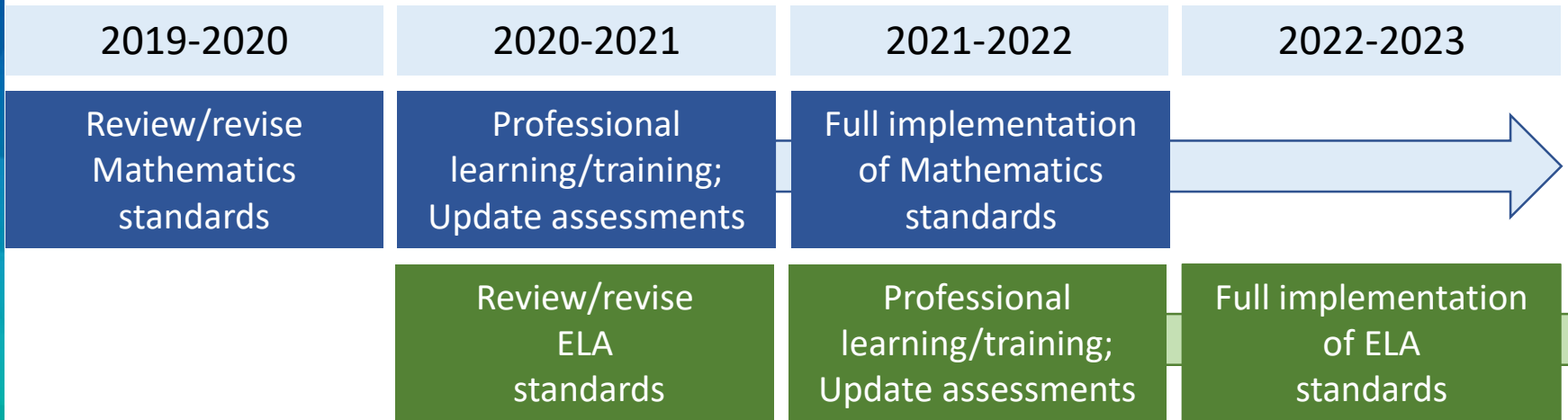
Focus of the Upcoming Teacher Working Committee Meeting

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

Process



Timeline



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