



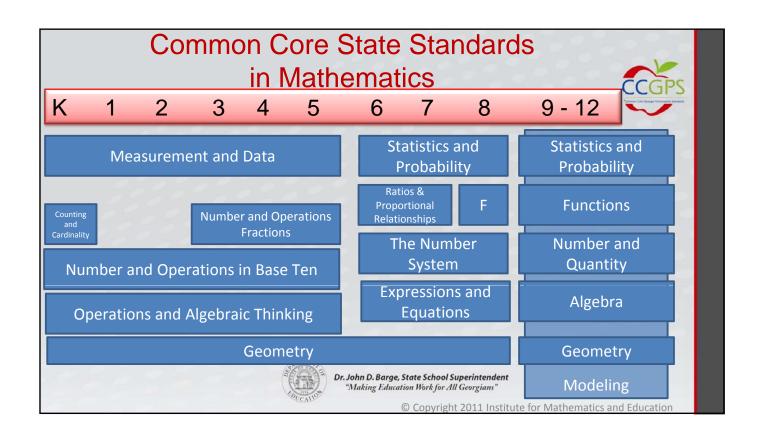


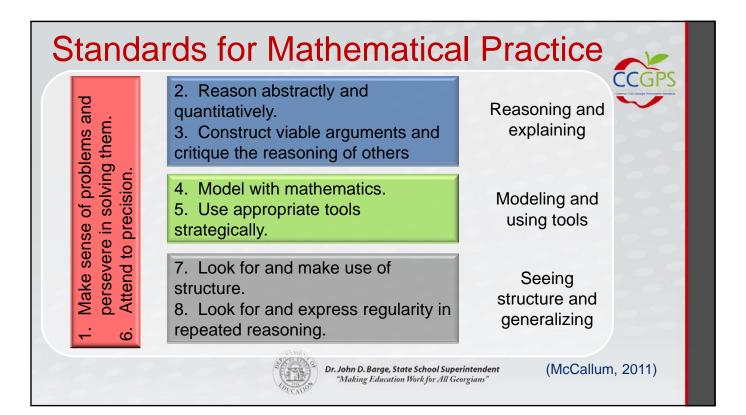
Common Core State Standards

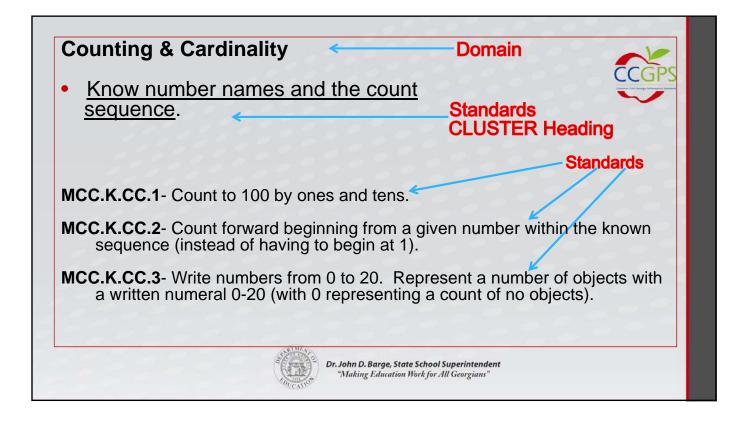
Building on the strength of current state standards, the CCSS are designed to be:

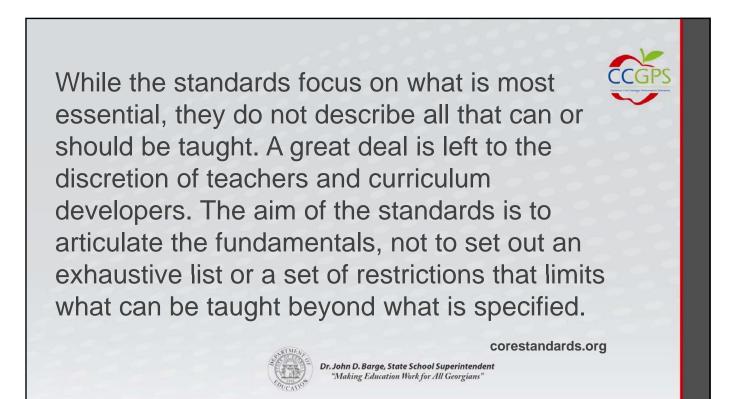
- Focused, coherent, clear and rigorous
- Internationally benchmarked
- Anchored in college and career readiness
- Evidence and research based









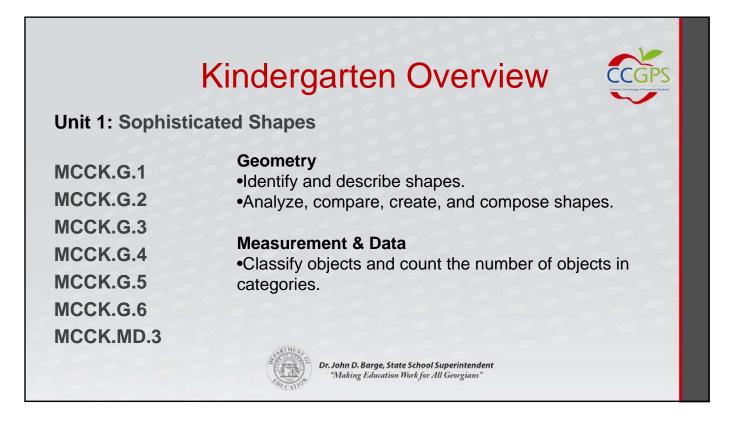


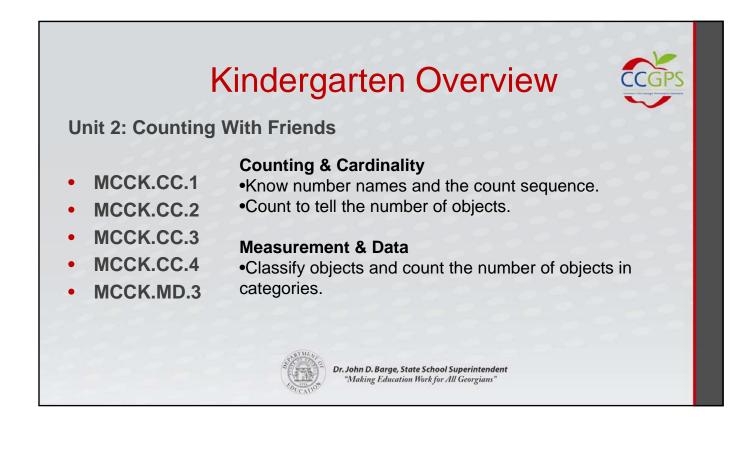


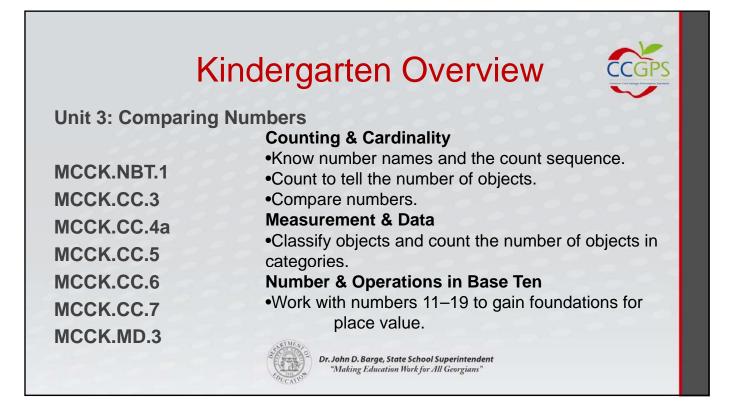
Kindergarten Curriculum Map 🤤

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Sophisticated Shapes	Counting With Friends	Comparing Numbers	Measuring and Analyzing Data	Investigating Addition and Subtraction	Further Investigation of Addition and Subtraction	Show What We Know
MCCK.G.1 MCCK.G.2 MCCK.G.3 MCCK.G.4 MCCK.G.5 MCCK.G.6 MCCK.MD.3	MCCK.CC.1 MCCK.CC.2 MCCK.CC.3 MCCK.CC.4 MCCK.MD.3	MCCK.NBT.1 MCCK.CC.3 MCCK.CC.4a MCCK.CC.5 MCCK.CC.6 MCCK.CC.7 MCCK.MD.3	MCCK.MD.1 MCCK.MD.2 MCCK.MD.3	MCCK.OA.1 MCCK.OA.2 MCCK.OA.3 MCCK.OA.4 MCCK.OA.5	MCCK.0A.2 MCCK.0A.3 MCCK.0A.4 MCCK.0A.5	ALL
Thes	e units were written to build up		o later units contain tasks that fathematical Practices and indi		d standards addressed in earlie	r units.

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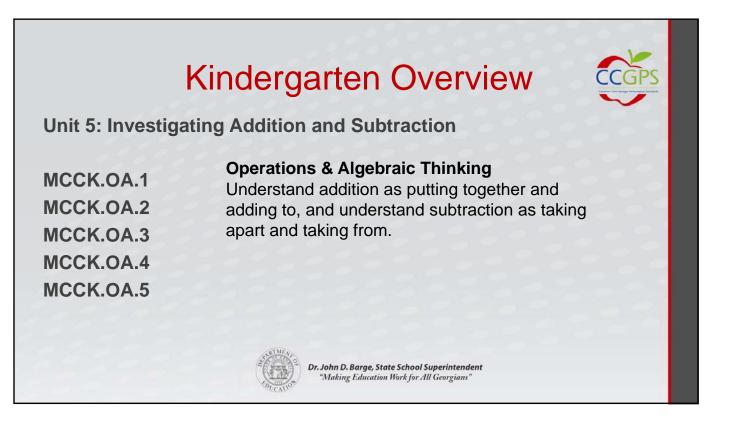


Unit 4: Measuring and Analyzing Data

MCCK.MD.1 MCCK.MD.2 MCCK.MD.3

- Measurement & Data
- •Describe and compare measurable attributes.
- •Classify objects and count the number of objects in categories.







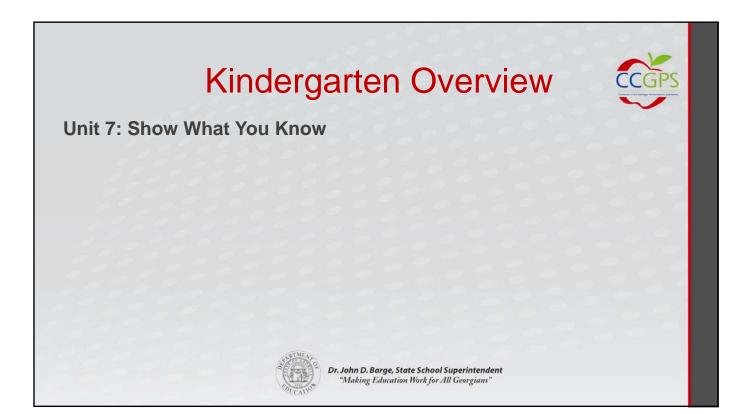
Unit 6: Further Investigation of Addition and Subtraction

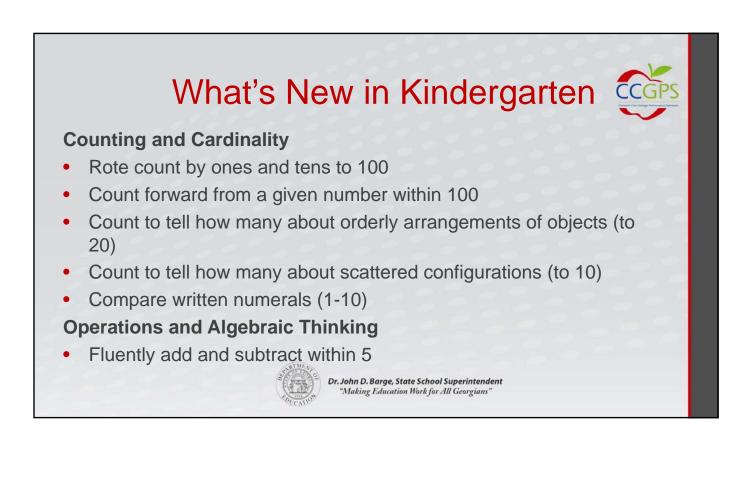
MCCK.OA.2 MCCK.OA.3 MCCK.OA.4 MCCK.OA.5

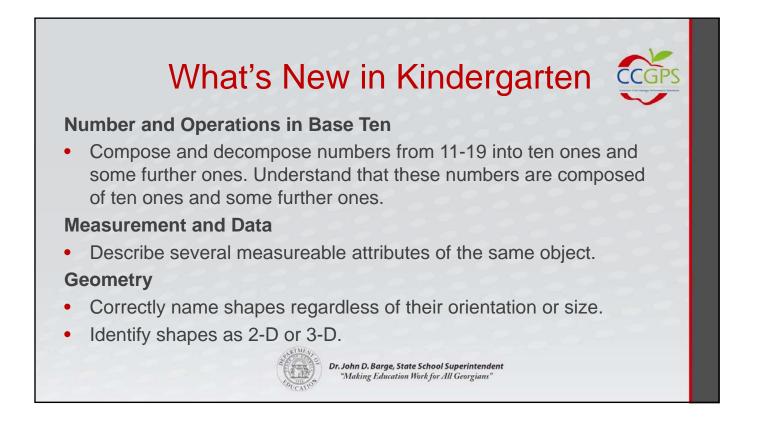
Operations & Algebraic Thinking

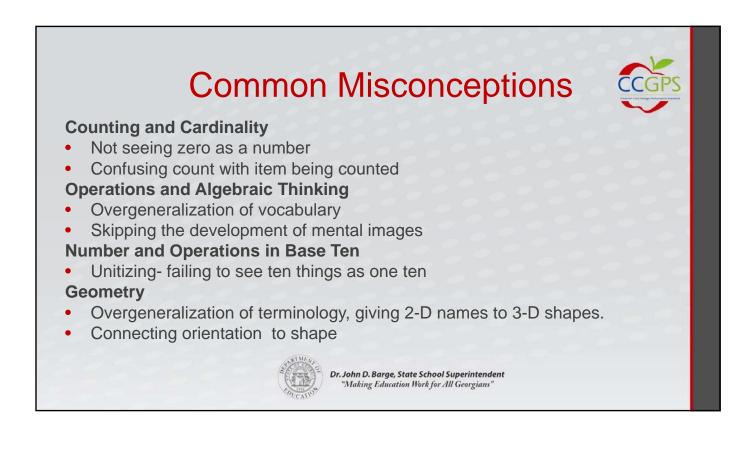
Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

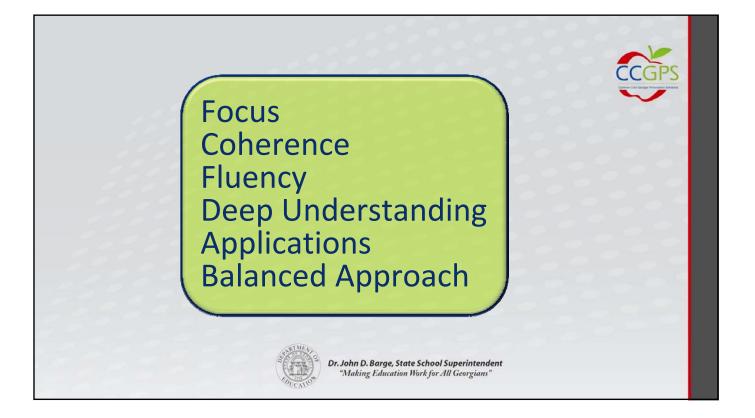


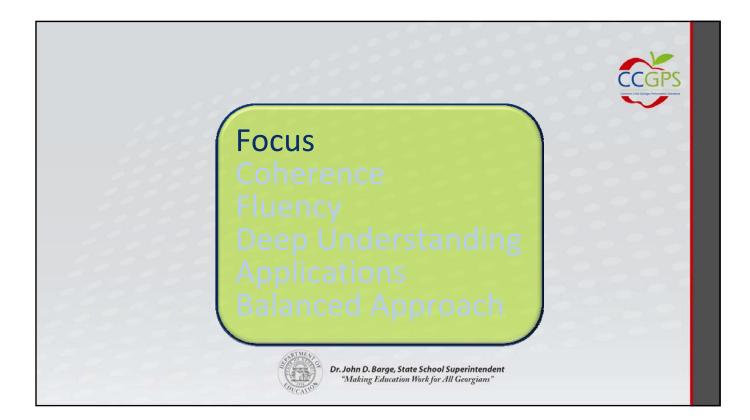


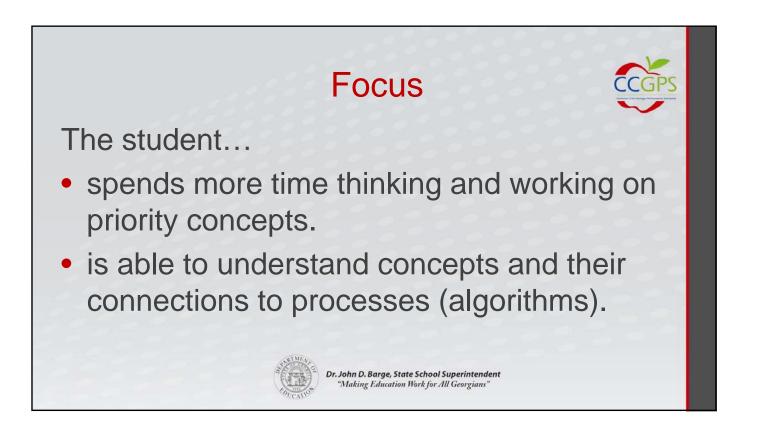


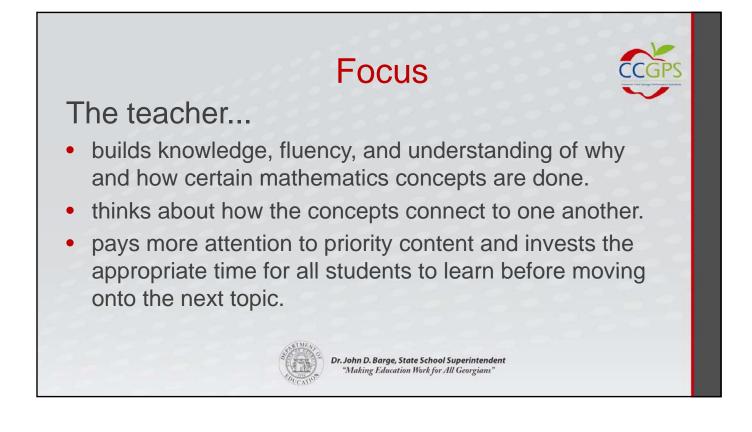




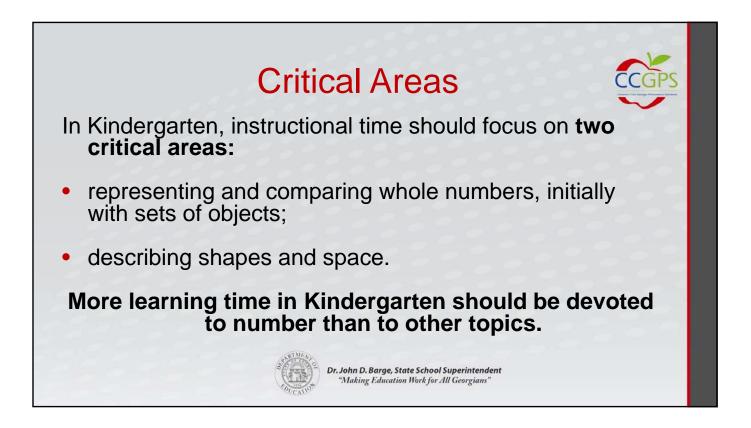


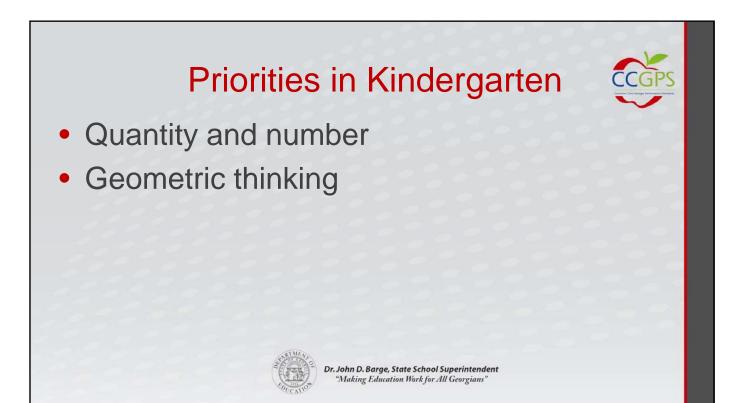


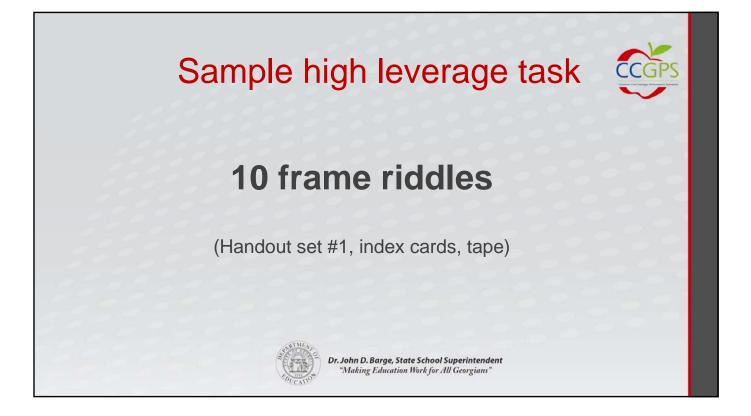




Grade	Priorities in Support of Rich Instruction and Expectations of Fluency and Conceptual Understanding	CCGPS
K–2	Addition and subtraction, measurement using whole number quantities	Conver Caroling Information
3-5	Multiplication and division of whole numbers and fractions	
6	Ratios and proportional reasoning; early expressions and equations	
7	Ratios and proportional reasoning; arithmetic of rational numbers	
8	Linear algebra	
9-12	Modeling	







What is no longer in Kindergarten?

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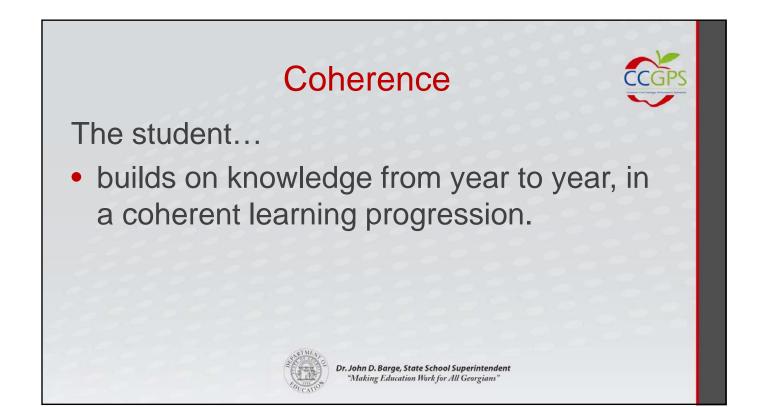
Where are

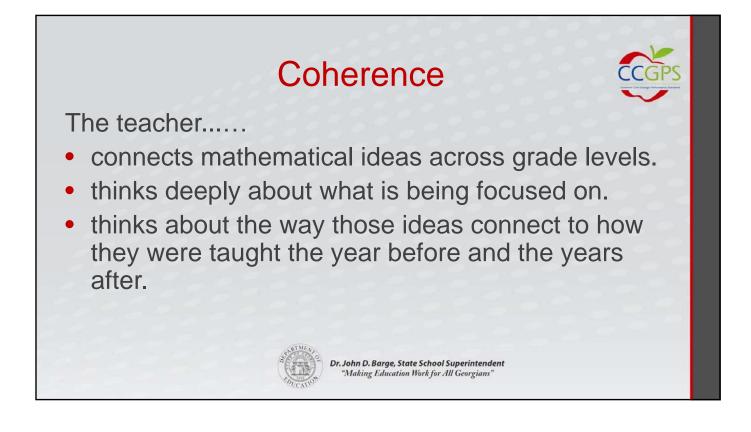
- time?
- money?
- temperature?

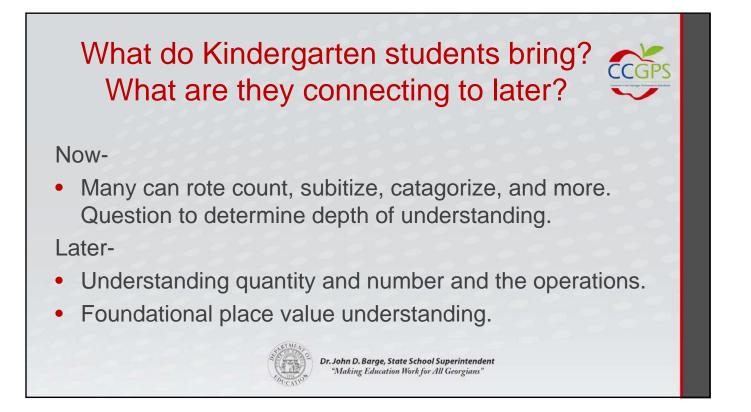
Why? How does this look now?

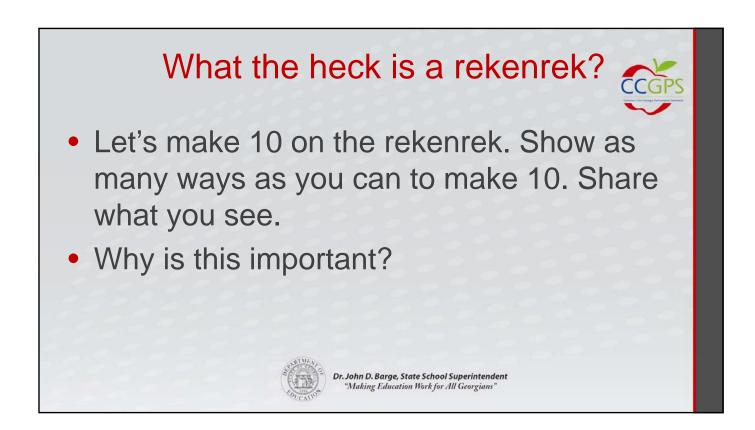
What about Calendar Time?

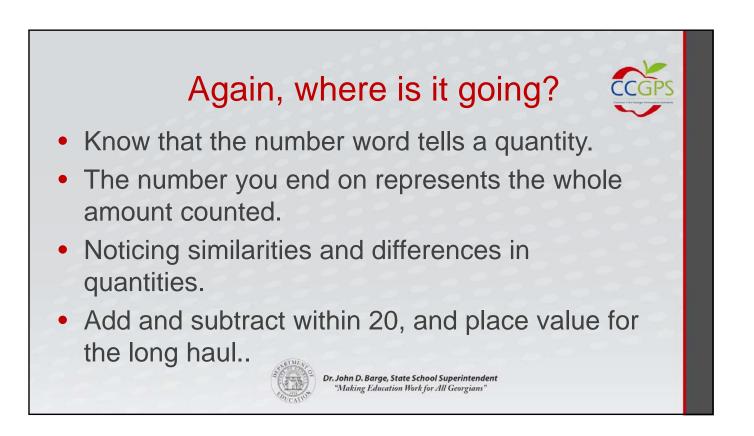


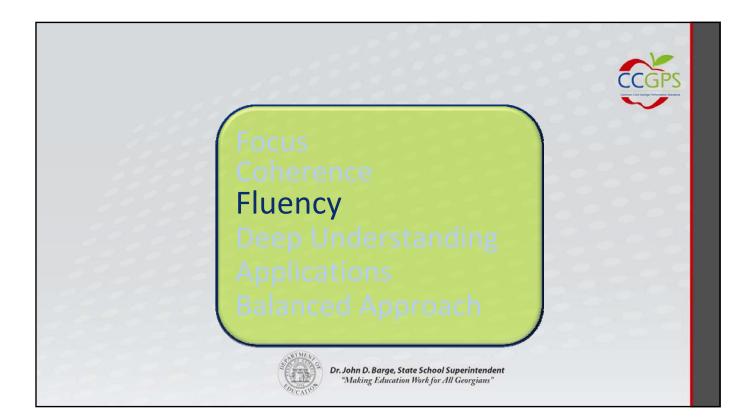


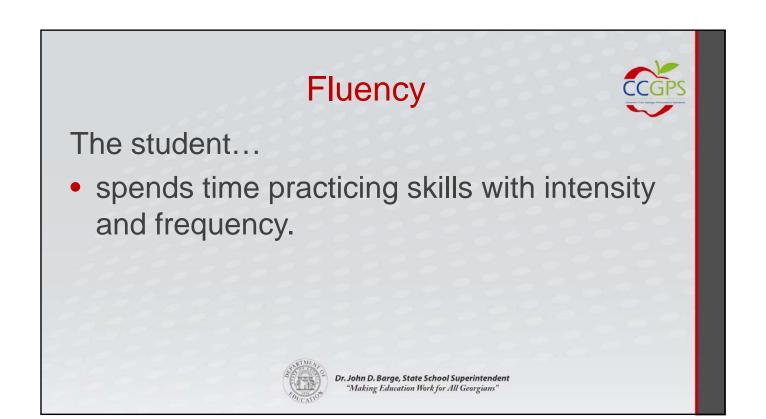


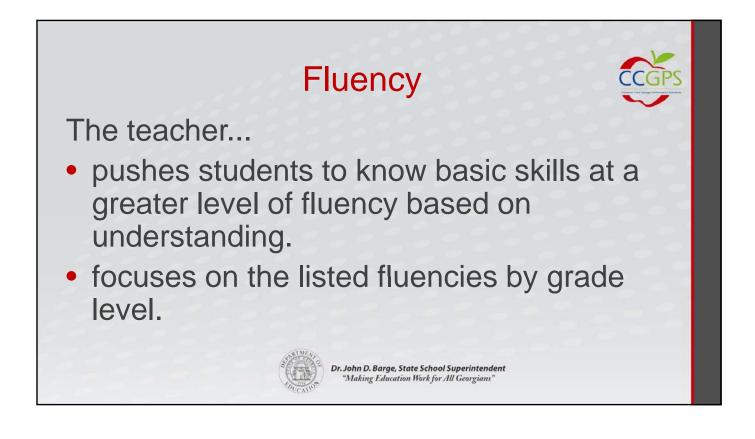




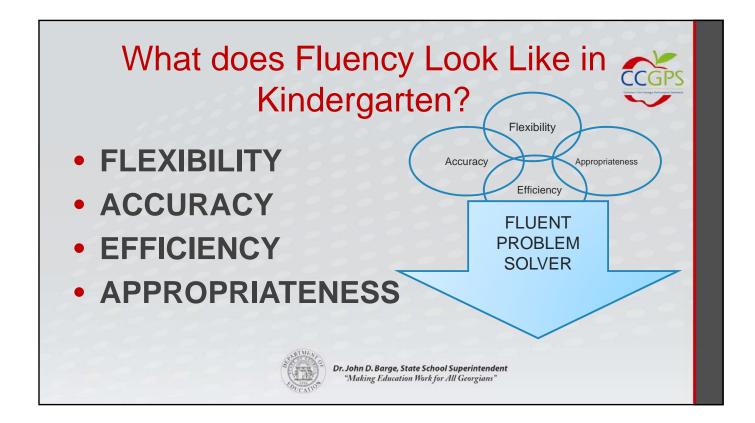


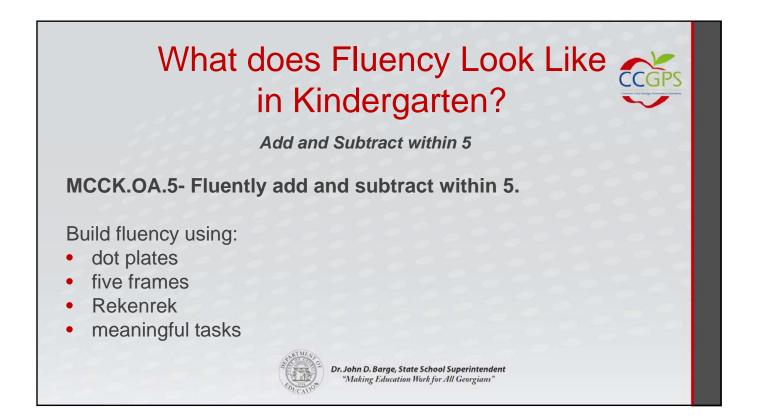


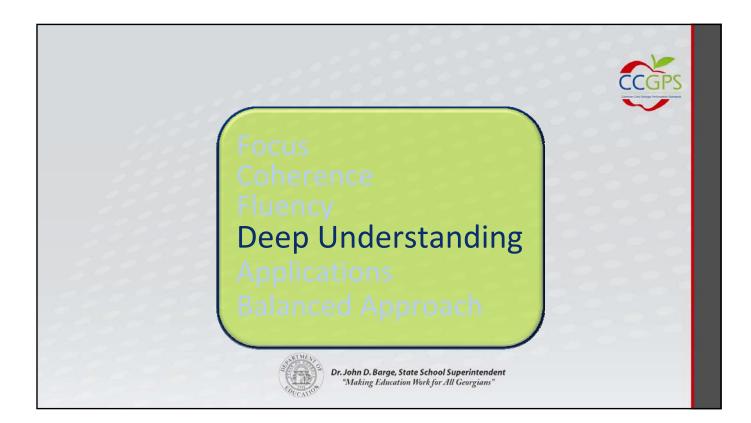




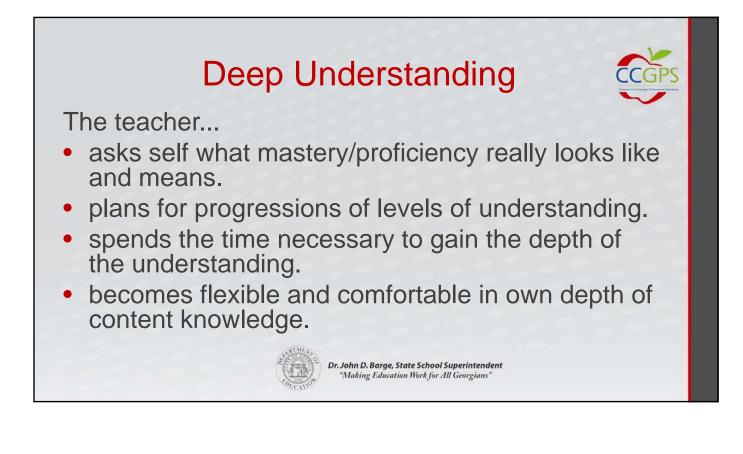
K	Add/subtract within 5	CCGPS
1	Add/subtract within 10	Converting Groups Performance Samplers
2	Add/subtract within 20 & Add/subtract within 100 (pencil and paper)	
3	Multiply/divide within 100 & Add/subtract within 1000	
4	Add/subtract within 1,000,000	
5	Multi-digit multiplication	
6	Multi-digit division & Multi-digit decimal operations	1200
7	Solve $px + q = r$, $p(x + q) = r$	
8	Solve simple 2×2 systems by inspection	
9-12	Algebraic manipulation in which to understand structure. Writing a rule to represent a relationship between two quantities. Seeing mathematics as a tool to model real-world situations. Understanding quantities and their relationships.	











Old McDonald

CCGPS

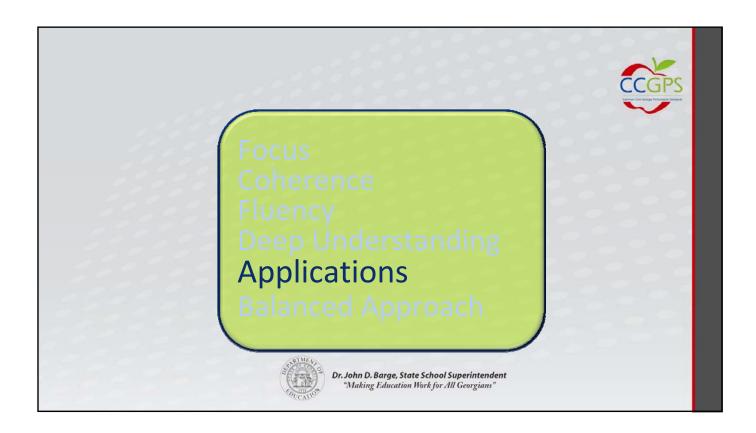
Old Farmer McDonald needed to put all of his animals into different barns each night. Each barn could have no more than 10 feet. What animals did Old McDonald put in his barn to equal ten feet? Find the different combinations of farm animals that equal ten feet. Be sure to justify your combinations.

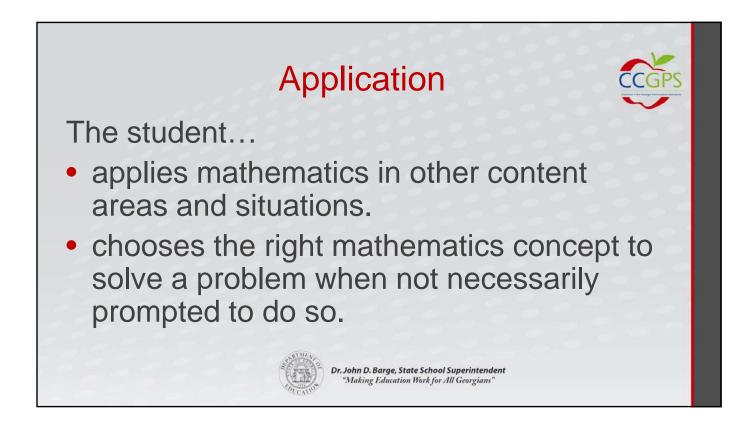


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- Pre-Assessment/Opening
- Collaborative activity
- Whole-class discussion
- Return to the pre-assessment/opening and bring it all back to the standards







Application

CCGPS

The teacher...

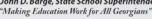
- contextualizes mathematics.
- creates real world experiences in which students use what they know, and in which they are not necessarily prompted to apply mathematics.



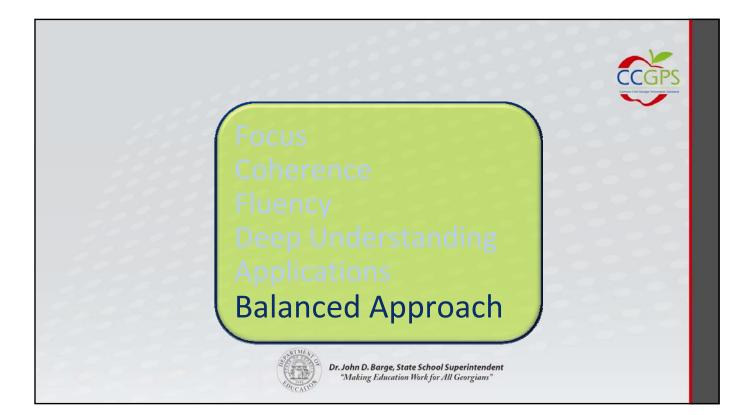


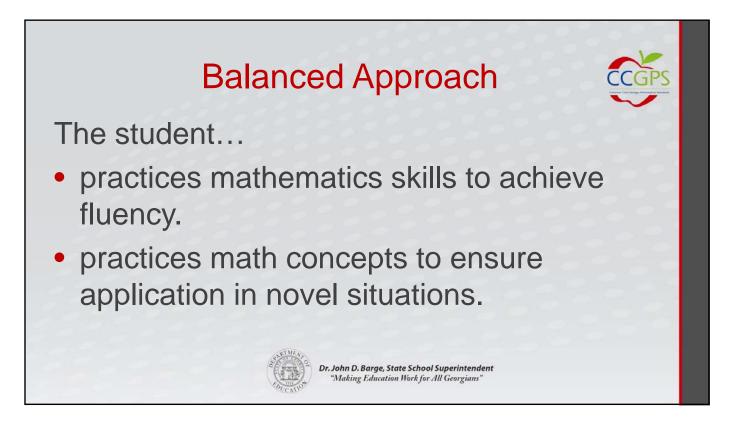
- What does it mean to apply mathematics in Kindergarten?
- Attendance
- Lunch count
- Snack preparation
- Counting, measuring, sorting, classifying, describing everything!

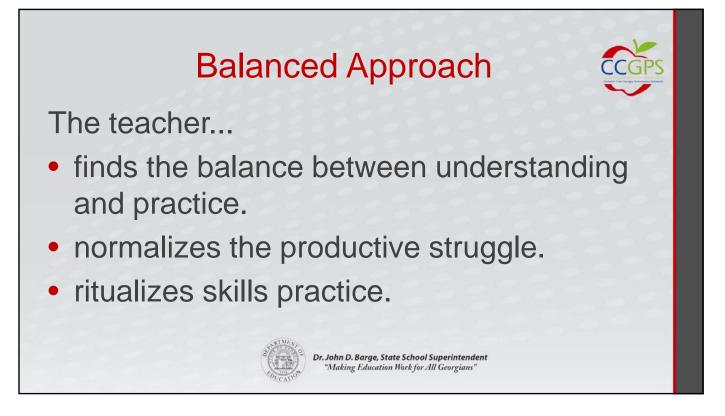












What does balance mean in Kindergarten?



Little Bo Peep loved to play dominoes. One day she had a domino in her pocket and the sum of the pips on her domino was 5. What could the domino on Bo Peeps pocket look like?

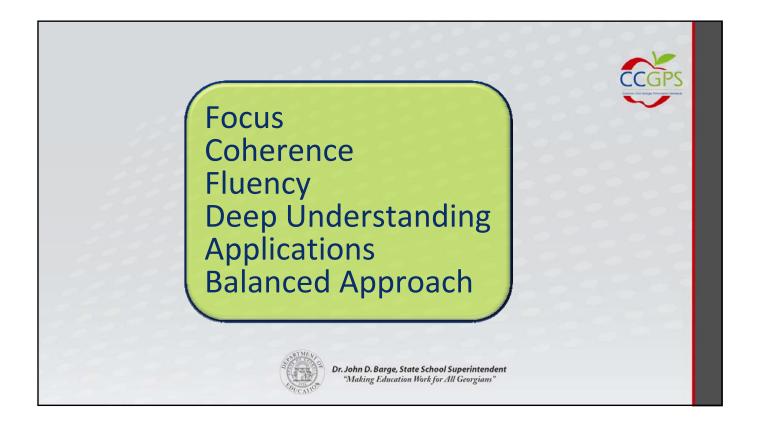


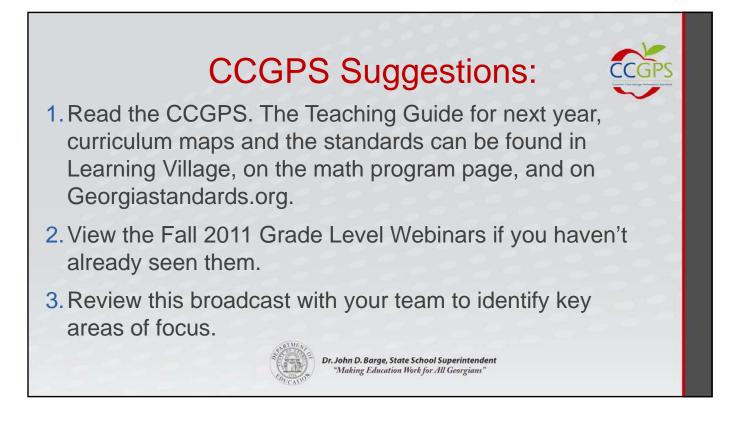
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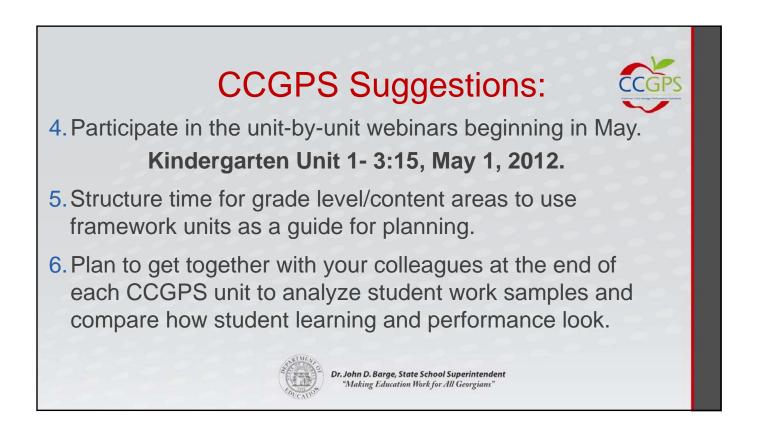
How could we launch this task?

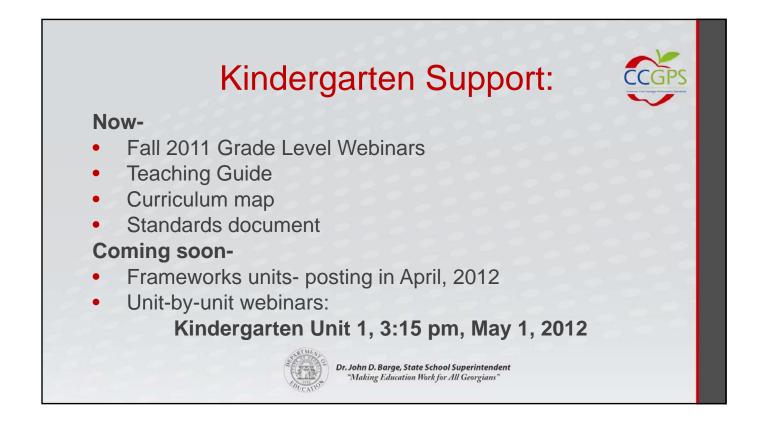
- Bo-peep diagnostic- look for potential misconceptions
- Dot card/ten frame flash
- Number talks

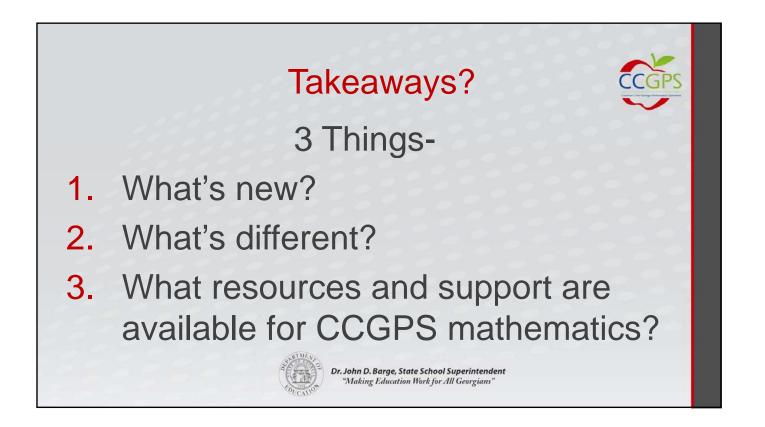










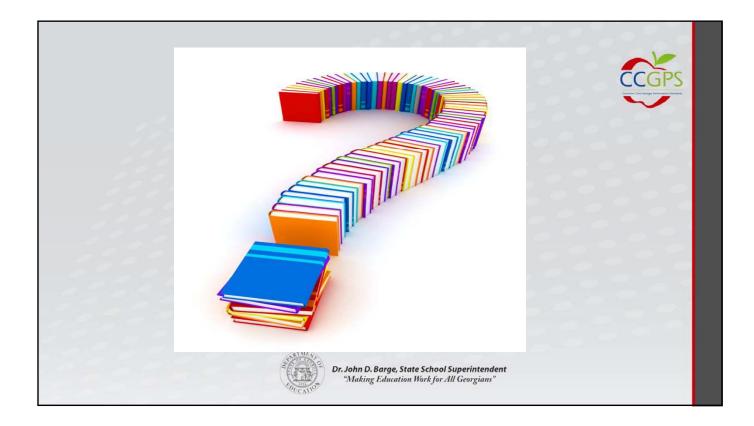


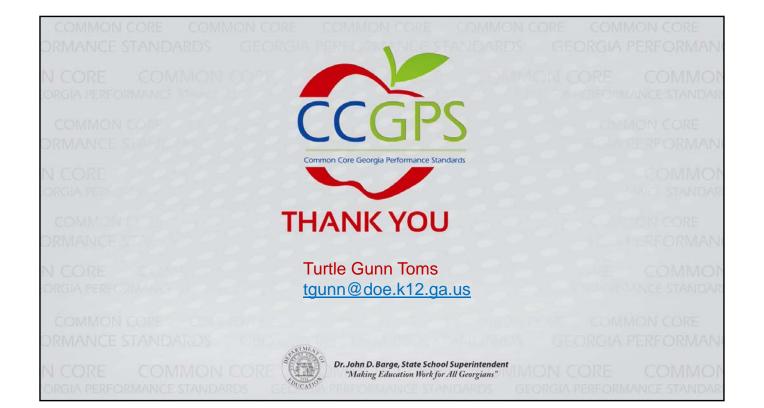


"The resources we need in order to grow as teachers are abundant within the community of colleagues. Good talk about good teaching is what we need..."

> Parker Palmer Courage to Teach







Thank you for participating in this CCGPS Professional Learning Session. We value your feedback. Please go to the following website, take the anonymous feedback survey, and complete the participation log to receive a certificate of participation:

http://survey.sedl.org/efm/wsb.dll/s/1g10a

If you have questions, feel free to contact any of the English/Language Arts or Mathematics staff at the following email addresses:

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