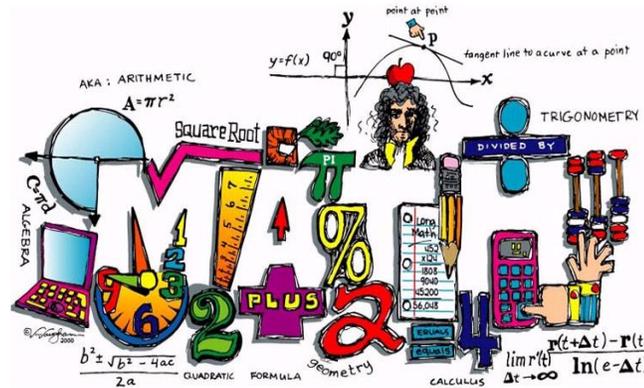


# GEORGIA MATHEMATICS SUMMIT

## June 18, 2020



### Mathematics Enthusiasts:

Lya R. Snell, Ph.D., Mathematics Program Manager

Brooke Kline, Secondary Mathematics Program Specialist

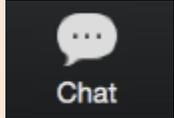
Jenise Sexton, Mathematics Content Integration and Special Education Program Specialist

Mike Wiernicki, Elementary Mathematics Program Specialist

# GEORGIA MATHEMATICS SUMMIT

June 18, 2020

**Welcome!**  
While you wait...

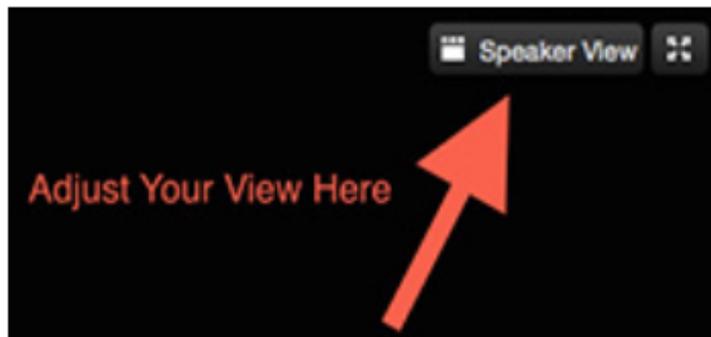
Please click on the  and  
let us know:

- Name
- Role
- Organization

# Technology Tips for **zoom**

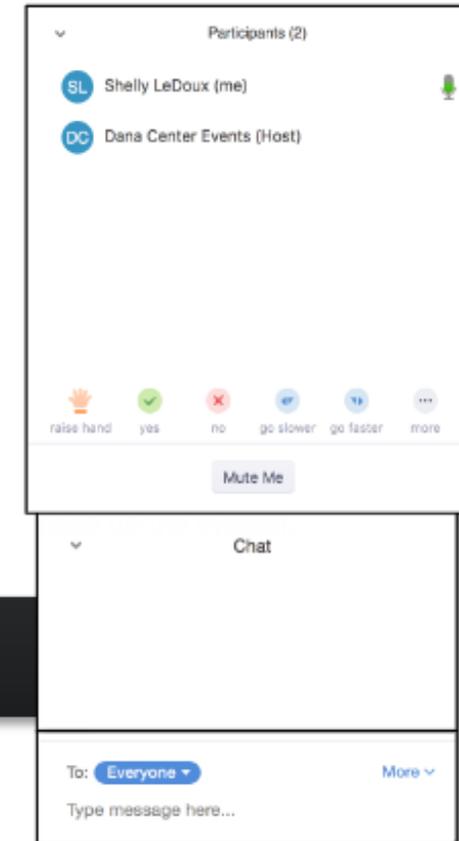
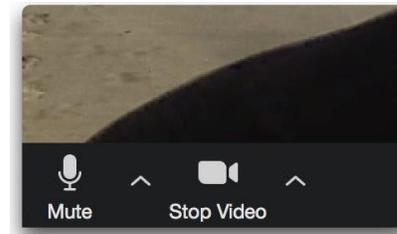
**Gallery or Speaker View:** Choose either Gallery or Speaker View by clicking on the icon in the *upper right corner* of your screen.

- Gallery View allows you to see one large view with multiple screens of participants.
- Speaker View allows you to see the person speaking as a larger image and rotates with whomever has the floor.



**Please click “Participants” to rename yourself:**

- Right click on your name and select “Rename.”
- Add your state abbreviation before your name.



# Online Session Etiquette

---

To make the meeting flow smoothly...

- Mute audio line when not talking.
- Use the “chat” feature when you have a question or for parking lot items.
- Speak clearly and to the camera.
- “Exit Full Screen” to join chat and participant windows when screen is being shared.

**Follow Us and Share Your Learning Experiences!**



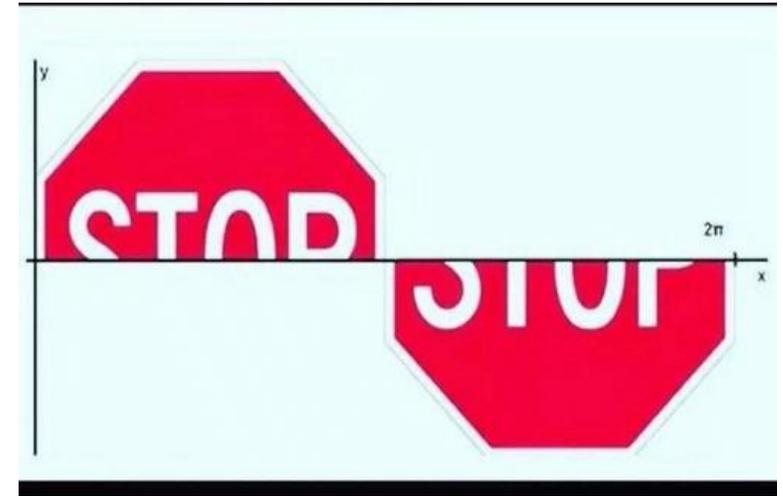
**@GaDOEMath**

# Math Brain Teasers

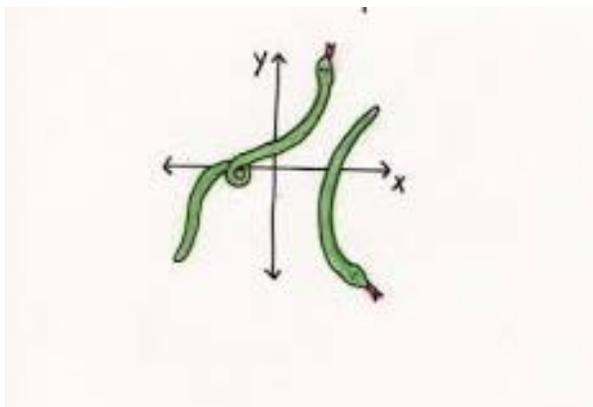
A)



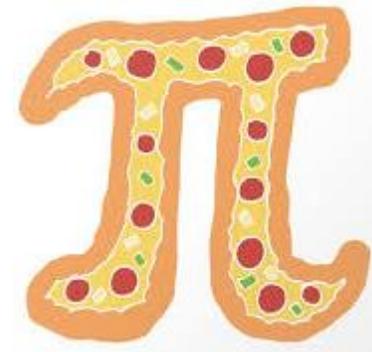
B)



C)



D)



# Updated: K-12 Mathematics Standards Review/Revision Timeline

| Fall 2020   | Spring 2021                                   | Fall 2021 | Spring 2022 | Fall 2022  | Spring 2023 | Fall 2023 | Spring 2024 |
|---|---|-----------|-------------|--|-------------|-----------|-------------|
| Finish work of groups/committees; Standards posted for comment; adopted | Professional Learning; updates to assessments |           |             | Full implementation; continued professional learning |             |           |             |

- Due to COVID-19, the K-12 standards review/revision process was paused.
- The initial timeline had the posting of standards for public review scheduled for May 2020; recommended for adoption in June 2020
- The timeline above is still in draft but the finalized timeline will be shared and posted ([GaDOE.org/standards](http://GaDOE.org/standards))
- Professional learning period has been extended: Spring 2021 – Spring 2022
- Implementation has been delayed until Fall 2022

# Acknowledging the Past and Moving into the Future

---

## College and Career Readiness

### GOAL:

*Ensuring that each learner is a prepared, numerate citizen ready to enter the future workforce with the critical thinking and reasoning skills necessary for success in both the local and global workforces.*



# Summary of Proposed Changes from Teacher Teams

Reduction in the number of standards for each grade level and course

Increased emphasis on comprehension, reasoning, and sense-making in mathematics

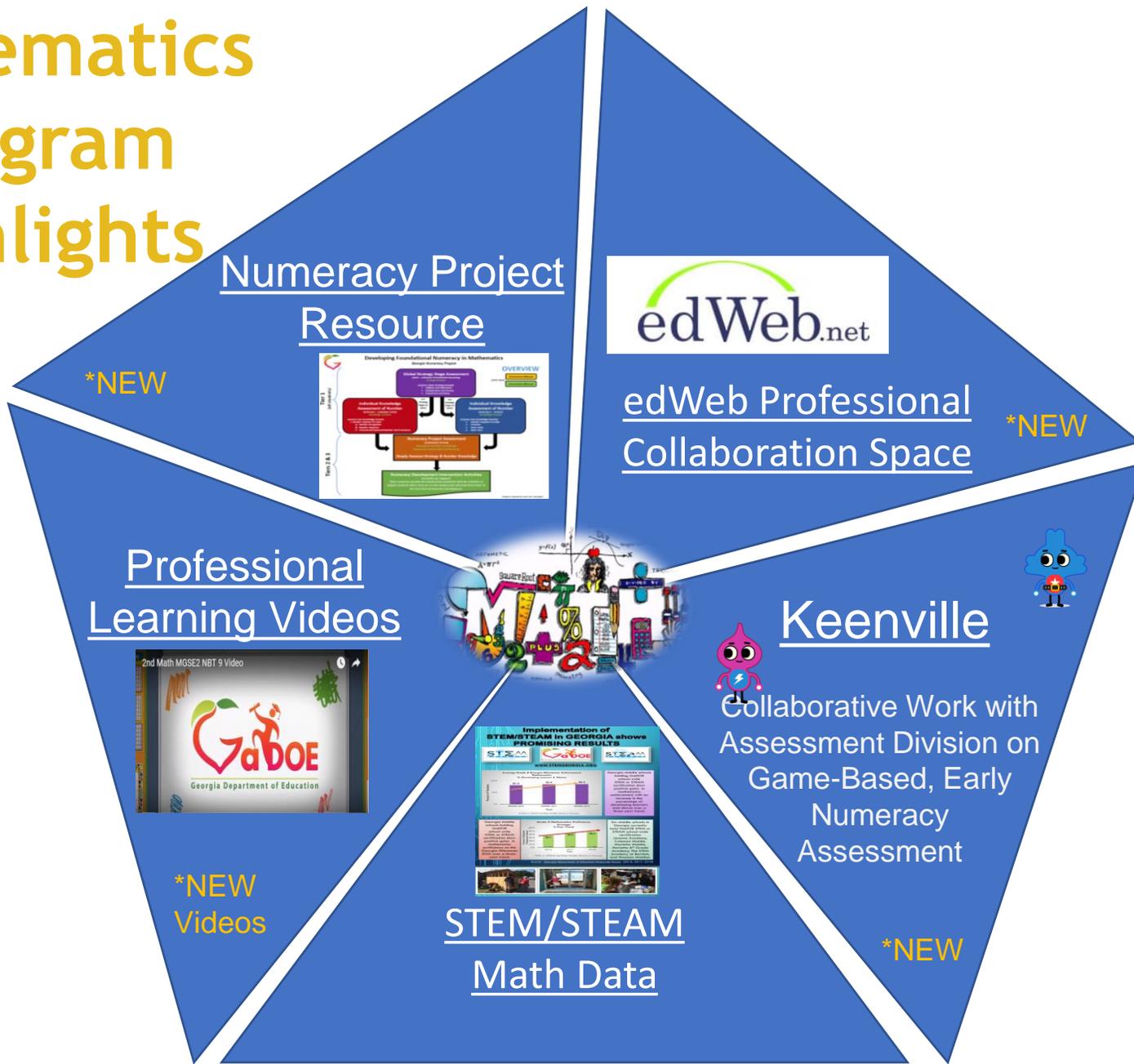
More clarity of language provided in the standards

Course standards represent key mathematics competencies for each grade level and course

Increased emphasis on contextual learning to prepare learners for future jobs based on workforce needs

Classroom Level Learning Objectives for each Key Competency listed based on a natural mathematics learning progression

# Mathematics Program Highlights



# Join one of our Professional Learning Communities!

- [www.edweb.net](http://www.edweb.net)
- (K-5): <https://www.edweb.net/georgiamathematicsk-5>
- (MS): <https://www.edweb.net/georgiamathematics6-8>
- (HS): <https://www.edweb.net/georgiamathematicsHS>



# MATHEMATICS

## Remote Learning Chats

Over 1300 Curated K-12 Remote Learning Resources



[www.tinyurl.com/GADOERemoteLearningChats](http://www.tinyurl.com/GADOERemoteLearningChats)

### Tweet Analytics

**GaDOEMath @GaDOEMath**  
 The @GaDOEMath Team has released over 1300 curated remote learning activities for mathematics teachers and students. These are aligned to the Georgia Standards of Excellence and the units in the Georgia Frameworks <https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Curriculum-and-Instruction/Documents/Mathematics/GADOE-Remote-Learning-Supplemental-Resources-for-Mathematics-K-12.pdf> ...  
[pic.twitter.com/yGBk8RlIgp](https://pic.twitter.com/yGBk8RlIgp)

Impressions 33,569  
 times people saw this Tweet on Twitter

Total engagements 3,382  
 times people interacted with this Tweet

Reaching teachers and leaders throughout all regions in Georgia!

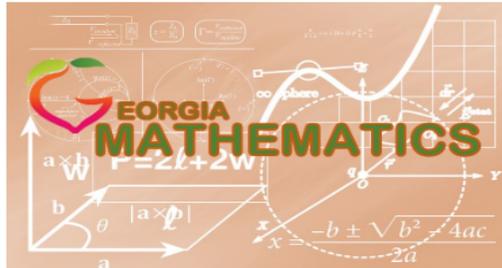
|                              |                               |                      |
|------------------------------|-------------------------------|----------------------|
| Introduction                 |                               |                      |
| Kindergarten                 | 1st Grade                     | 2nd Grade            |
| 3rd Grade                    | 4th Grade                     | 5th Grade            |
| 6th Grade                    | 7th Grade                     | 8th Grade            |
| Coordinate Algebra           | Algebra I                     | Analytic Geometry    |
| Geometry                     | Algebra II - Advanced Algebra | Precalculus          |
|                              | Calculus-Based HS Courses     | All Other HS Courses |
| Additional Teacher Resources |                               |                      |

On-Demand PL Offerings

# Where can I find these resources?

[www.gadoe.org/mathematics](http://www.gadoe.org/mathematics)

## Mathematics



The Georgia Mathematics standards are designed to help learners achieve a balance among concepts, skills, and problem solving. They provide clear expectations for curriculum, instruction, assessment, and student work. The standards stress rigorous concept development and real-world applications while maintaining a strong emphasis on computational and procedural skills. At all grades, the standards encourage students to reason mathematically, to evaluate mathematical arguments both formally and informally, to use the language of mathematics to communicate ideas and information precisely, and to make connections among mathematical topics and to other disciplines.

### New Updates

- **NEW!** Supporting Students with Disabilities with Distance Learning
- **NEW!** Remote Learning Chats (*Virtual Professional Learning for Mathematics, Computer Science, and STEM/STEAM Teachers and Leaders*)
- Mathematics Teaching and Learning resources can be found [HERE](#).

### Instructional Resources for Mathematics Teachers

The purchase and use of instructional resources and materials are decisions made at the local school district and/or school levels. The Department of Education provides many instructional resources that are aligned to the Georgia Standards of Excellence (GSE). Resources for teachers can be found here:

- **NEW!** Over 1300 Curated K-12 Mathematics Remote Learning Resources
- GaDOE Teacher Resource Link and The [Essential Toolkit](#)

### Contact Information

Lya R. Snell, Ph.D.  
Mathematics Program Manager  
Phone: 404-657-7087  
Email: [lsnell@doe.k12.ga.us](mailto:lsnell@doe.k12.ga.us)

Brooke Kline  
Mathematics Secondary Program Specialist  
Phone: 404-657-9004  
Email: [bkline@doe.k12.ga.us](mailto:bkline@doe.k12.ga.us)

Jenise Sexton  
Mathematics Special Education Program Specialist  
Phone: 404-653-0634  
Email: [jsexton@doe.k12.ga.us](mailto:jsexton@doe.k12.ga.us)

Michael Wiernicki  
Mathematics Elementary Program Specialist  
Phone: 404-653-1738  
Email: [mwiernicki@doe.k12.ga.us](mailto:mwiernicki@doe.k12.ga.us)

[GeorgiaStandards.Org](http://GeorgiaStandards.Org)  
GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES

### Mathematics Links

- Georgia MathTalks Podcast
- Grade Level/Course Standards
- Curriculum Resources
- Parent & Student Resources
- Professional Learning
- Advanced Academics Mathematics
- Elementary Mathematics Flyer
- Middle School Mathematics Flyer
- High School Mathematics Flyer
- Mathematics Equity Toolkit

Click Here for More Information  
About Georgia Mathematics



# STEM/STEAM

"I wanted to thank all of you for the great resources on the GA STEM website. From the Resource Page to the Remote Learning to the STEM/STEAM Journals, it is all great." - Kim Mercer, Heard Elementary School

## CONNECT

Remote Learning Chats

Webinars

Podcasts

Virtual PD and meetings

CEISMC STEAM Leadership Conference



## SUPPORT

STEM/ STEAM at Home

Field Guides

Piloting Virtual Feedback

New interest in certification and PBL training

 Sarah Graham  
@SarahGrahamPCSD

It was an amazing STEM/STEAM Journal meeting with the @STEMGeorgia team and 30 PCSD Ts and administrators! Thank you Felicia and Meghan for your guidance!! #pauldingstem @pauldingboe



## PLAN

Summer Virtual Academies (4,800+ Twitter Impressions)

District/ School Stakeholder Meetings

Continued RESA support



**JUNE 9-12, 2020**

**STEM/ STEAM SUMMER VIRTUAL ACADEMY**

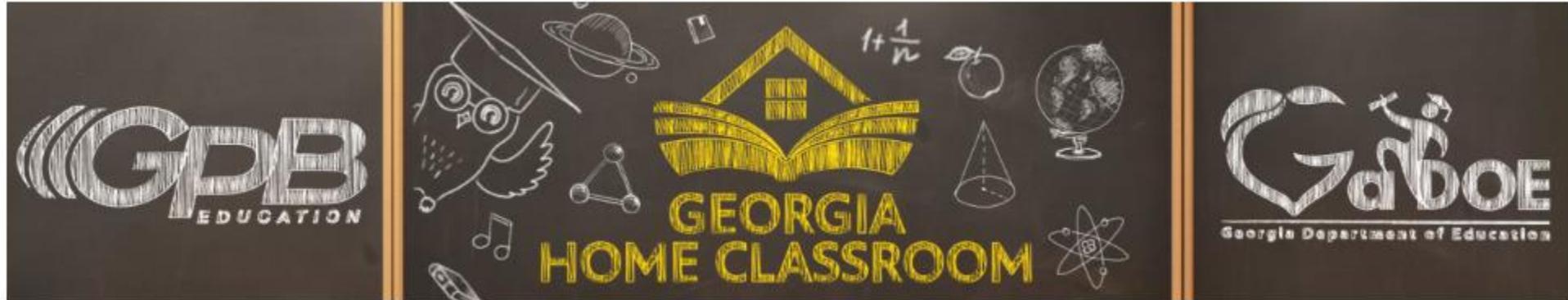
Join the Georgia Department of Education STEM/ STEAM Teams for four days of engaging learning online. Log-in to connect with Georgia school leaders, educators, and business and community partners who are engaging students with STEM/ STEAM teaching and learning statewide.

**Keynote Speaker:**  
Peter Ulrich, Principal  
Tybee Island Maritime Academy

**Save the date!** Session details and login information will be posted on [www.stemgeorgia.org](http://www.stemgeorgia.org)

# GEORGIA HOME CLASSROOM

Pre-K through High School



Getting Ready for  
**Kindergarten**

Explore these skills to get ready for kindergarten

Getting Ready for  
**1<sup>st</sup> Grade**

Explore these skills to get ready for 1st grade.

Getting Ready for  
**2<sup>nd</sup> Grade**

Explore these skills to get ready for 2nd grade.

Getting Ready for  
**3<sup>rd</sup> Grade**

Explore these skills to get ready for 3rd grade.

<https://www.gpb.org/education/learn>

# Mathematics Equity Toolkit



[tinyurl.com/GAMathEquity](https://tinyurl.com/GAMathEquity)

# Mathematics Equity State-Wide Action Plan



## GEORGIA MATHEMATICS EQUITY PLAN

*This plan was developed based on collaborative work among various district leadership teams and university partners at the inaugural Georgia Mathematics Equity Summit on November 12, 2019. Leaders from all over the state of Georgia convened and led by CEISMC at Georgia Tech and the Georgia Department of Education, began to draft an equity plan to address several key problems of practice.*



<https://www.ceismc.gatech.edu/mes>

[Back to Equity Toolkit](#)

Georgia Department of Education  
November 2019 • Page 1 of 7  
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# COVID-19 HIERARCHY OF NEEDS FOR SCHOOLS

Based off of Mazlow's Hierarchy of Needs

**SCHOOL IS  
IMPORTANT DURING  
THIS CRISIS**

**BUT....**

**NOT AS IMPORTANT  
AS THE NEEDS OF  
OUR FAMILIES WHO  
ARE EXPERIENCING  
ANXIETY AND FEAR  
AS WE DEVELOP OUR  
NEW NORMAL**



**Our kids and families need us more than ever to model social and emotional learning before content.**

@jaydostal

# GCTM's Position on Equity

- Drafting Equity Position Statement
  - Stems from the work completed at the Mathematics Equity Summit
  - Georgia and GCTM are leading this work
- Focus of work:
  - Diversity, Equity, and Inclusion

# 2020 Mathematics Equity Summit - Addressing Instructional Inequities

Please provide your input on the instructional inequities from pre-Covid 19 and now.

[www.tinyurl.com/GAEquitySurvey](http://www.tinyurl.com/GAEquitySurvey)

1. What would you consider the greatest barriers to instructional equity?

Enter your answer

2. How have you observed the inequities mentioned in Question 1 amplify or subside given the current circumstances? Provide examples of amplification and/or regression.

Enter your answer

# Supporting Students with Distance Learning Documents

| <i>Plans for Support</i>   |   |  |  |
|--|---|--|--|
| <i>Teachers are encouraged to collaborate with parents or guardians as plans for support are developed.</i>  |   |  |  |
| <i>Choice of Tools</i>   | <i>*Preferred Types of Activities</i>   | <i>Aligning to IEP Goals</i>   | <i>Documentation</i>   |
| <ul style="list-style-type: none"> <li>✓ Learning Management System (LMS)</li> <li>✓ Virtual Platform</li> <li>✓ Telephone/Cell Phone</li> <li>Pencil/Paper</li> </ul> | <ul style="list-style-type: none"> <li>✓ Games</li> <li>✓ Videos</li> <li>✓ Discussions</li> <li>✓ Puzzles</li> <li>✓ Challenges</li> </ul> | <ul style="list-style-type: none"> <li>✓ Educators curate and/or share learning activities for families and students which support IEP goals.</li> <li>✓ Students with 504 Plans and Individual Education Plans should be administered their standard classroom instructional accommodations.</li> </ul> | <ul style="list-style-type: none"> <li>✓ Development of a distance learning plan</li> <li>✓ Document schedule of parent-teacher consultation</li> <li>✓ Document accommodations offered to students</li> <li>✓ Document communication to students</li> </ul> |

| <i>Instructional Ideas for Supporting Students with Disabilities</i>  |   |
|---|---|
| <i>Specially Designed Instruction, generally, is adapting content, methods, and/or instructional delivery to address the unique needs of a student.</i> |   |
| <i>Time of Instruction</i>  | <ul style="list-style-type: none"> <li>✓ Assignments in small chunks with high levels of student engagement</li> <li>✓ A fraction of the face-to-face, classroom time</li> <li>✓ Mini lessons for no more than 5-7 minutes</li> <li>✓ Consider student interest</li> </ul>                  |
| <i>Student Choice</i>   | <ul style="list-style-type: none"> <li>✓ Choice in demonstrating knowledge</li> <li>✓ Choice in receiving information</li> <li>✓ Choice Board of activities/tasks: low and no tech options</li> <li>✓ Choice in what to study with help connecting to grade appropriate learning</li> </ul> |

# Supporting Students with Distance Learning Documents

The video player displays the title "Virtual Supports for Struggling Students" in large green font, followed by "The GaDOE Content Integration Team" in smaller grey font. The GaDOE logo is visible in the bottom right corner of the video frame. The video player controls at the bottom show a progress bar at 0:00 / 33:27, a play button, and various settings icons. Below the video player, the text "Virtual Supports for Struggling Learners" is visible, along with a small "Unlisted" label.

# Supporting Students with Distance Learning Documents

## Accessibility Resources for Virtual Learning

**Companion resources for the video entitled, *Virtual Supports for Struggling Learners***

# Assistive Technology

## Assistive Technology

- AT Partnership (Tools for LIFE;Texthelp)
- Definition of Assistive Technology
- Assistive Technology devices
- Legal Mandates for Assistive Technology
- Considering Assistive Technology for Students with Disabilities
- Documenting Need for Assistive Technology
- Implementation and Integration
- AT Meetings and Conferences
- AT Presentations

## Special Education Services and Supports - Assistive Technology



Assistive Technology is to improve student achievement, productivity, independence, and inclusion by increasing student access to assistive technology devices and services and enhancing educator knowledge of assistive technology.

## General Information

**Wina Low**  
**Program Manager Senior**  
Email:wlow@doe.k12.ga.us

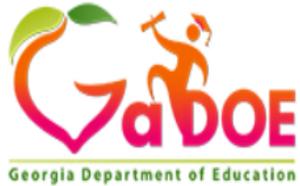
**Paula Gumpman**  
**Program Specialist**  
Email:pgumpman@doe.k12.ga.us  
Phone: (678) 340-8118  
Main Phone: (404) 656-3963  
FAX: (404) 651-6457

**Special Education**  
**Questions & Support**  
Help Desk: (404) 657-9968  
Email:  
SPEDHelpDesk@doe.k12.ga.us

### Documents:

- Assistive Technology and Tools for LIFE.pdf
- 508 Compliance and Accessibility PDF.pdf
- MS word Document Accessibility.pdf
- PowerPoint Accessibility.pdf
- AT Chrome Extensions.pdf
- AT for Low Incidence.pdf
- AT Research and Resources

# Where can I find these resources?



Richard Woods, Georgia's School Superintendent

Search this site

- Offices & Divisions ▾
- Programs & Initiatives ▾
- Data & Reporting ▾
- Learning & Curriculum ▾
- State Board & Policy ▾
- Finance & Operations ▾
- Contact ▾

Home → Teaching and Learning → Curriculum and Instruction → Integrated Instructional Supports for All Students

Libraries

Content Areas

- Computer Science
- English Language Arts
- Fine Arts
- Gifted Education

## Integrated Instructional Supports for All Students

Integrated Instructional Supports for All Students provides resources for students, families, and teachers curated and developed by our Curriculum and Instruction Content Integration Specialists. A dedicated team member in each content area works with our Special Education Services and Supports to inform and coordinate efforts as we strive to educate the Whole Child.

### Contact Information

**Franeka Colley**  
Content Integration Specialist  
English Language Arts  
404.657.6104



# Elementary Programming Update

# Keenville – Grades 1 & 2



- 15 math games that span all domains and align to specific skills in 1st and 2nd grade.
- Site is open for the summer and students can continue to play games that teachers have assigned them.
- The Keens will be on vacation June 27<sup>th</sup> – July 5<sup>th</sup>, but will be ready to play again on July 6<sup>th</sup>.

# Keenville – Grades 1 & 2



- On Aug. 1<sup>st</sup>, FY21 rosters uploaded for the new year. Teachers will have access to play and review the dashboard throughout summer, and their new rosters will be ready for them the week of Aug 1<sup>st</sup>.
- We are also updating the professional learning in PLO.
- All teachers and administrators have access to Keenville through their SLDS. If the tab doesn't appear on their platform, they need to contact their local SIS/IT director to gain provisions.

# Keenville – New Game!



Pick a category! Reading or Math?



477



Reading

Math



Click the buzzer when you know the answer!



477



$$5 + \_ = 9$$

---



Choose the correct answer to fill in the blank



477



$5 + \_ = 9$

---

2      4      5      6



Nice job! You beat the Round! You will now move on to the next Round!  
Keep it up!



 478



Continue



Nice job! You beat the Round! You will now move on to the next Round!  
Keep it up!



 480



Continue



# Mathematics Video Series (K-2)

The screenshot shows the Georgia Department of Education website. At the top, there is a navigation bar with links for Home, CCRPI, Georgia Standards of Excellence, GPS, Content Area Frameworks, Resources/Videos, and Personalized Learning. Below this, there is a section titled "BROWSE STANDARDS" with a list of subjects: English Language Arts, Fine Arts, Mathematics, Science, Social Studies, Physical Education, and World Languages. The main content area features a video player for "MGSEK.CC.4" titled "What do Mathematics Standards Look Like in the Classroom?". The video player shows a large number "7" and a play button icon. The video description states: "The Georgia Department of Education deeply appreciates the efforts of Georgia mathematics educators which resulted in the GSE Mathematics Standards in the Classroom video series. The series spotlights Georgia teachers and students engaged in effective instruction surrounding challenging standards as identified by mathematics teachers."

## Kindergarten – 11 Videos

K.CC.4, K.CC.5, K.CC.6 & K.CC.7,  
K.G.4, K.G.6, K.MD.3, K.NBT.1,  
K.OA.2, K.OA.3, K.OA.4, K.OA.5

## 1<sup>st</sup> Grade – 11 Videos

1.OA.1, 1.OA.3, 1.OA.4, 1.OA.5,  
1.OA.6, 1.OA.7, 1.OA.8, 1.NBT.3,  
1.NBT.4, 1.NBT.5, 1.NBT.6

## 2<sup>nd</sup> Grade – 11 Videos

2.NBT.4, 2.NBT.5, 2.NBT.6, 2.NBT.7,  
2.NBT.9, 2.OA.1, 2.OA.2, 2.OA.3,  
2.G.3, 2.MD.7, 2.MD.8



# Mathematics Video Project 4.0

## Kindergarten

K.CC.1-3

## 1<sup>st</sup> Grade

1.NBT.2 & 1.NBT.7  
1.G.3, 2.G.3, & 3.G.2  
(Progression)

## 2<sup>nd</sup> Grade

2.OA.4  
2.NBT.1  
2.NBT.2  
2.MD.1-4  
2.MD.5 & 2.MD.6  
2.MD.9 (with 3.MD.4)

# Mathematics Video Series (3-5)

The screenshot shows the Georgia Department of Education website. At the top, there is a navigation bar with links for Home, OCRPI, Georgia Standards of Excellence, GPS, Content Area Frameworks, Resources/Videos, and Personalized Learning. Below this, there is a section titled "BROWSE STANDARDS" with a list of subjects: English Language Arts, Fine Arts, Mathematics, Science, Social Studies, Physical Education, and World Languages. The main content area features a video titled "What do Mathematics Standards Look Like in the Classroom?" with a description: "The Georgia Department of Education deeply appreciates the efforts of Georgia mathematics educators which resulted in the GSE Mathematics Standards in the Classroom video series. The series spotlights Georgia teachers and students engaged in effective instruction surrounding challenging standards as identified by mathematics teachers." Below this, there is a section for the "3rd Grade Mathematics Video Series" with a video player showing a young girl with glasses and a number line. The video title is "3rd Math MGSE3 NBT 1".

## 3<sup>rd</sup> Grade – 13 Videos

3.NBT.1, 3.NBT.2, 3.NF.1, 3.NF.2, 3.NF.3, 3.OA.3 & 3.OA.4, 3.OA.5, 3.OA.7, 3.OA.8, 3.OA.9, 3.MD.1, 3.MD.7 (1), 3.MD.7 (2)

## 4<sup>th</sup> Grade – 13 Videos

4.NF.1 & 4.NF.2, 4.NF.3, 4.NF.4, 4.NBT.1, 4.NBT.2 & 4.NBT.3, 4.NBT.4, 4.NBT.5, 4.NBT.6, 4.OA.1 & 4.OA.2, 4.OA.3, 4.MD.1, 4.MD.2, 4.MD.8

## 5<sup>th</sup> Grade – 13 Videos

5.NBT.1, 5.NBT.3, 5.NBT.4, 5.NBT.6, 5.OA.1 & 5.OA.2, 5.OA.3, 5.NF.1, 5.NF.2, 5.NF.4, 5.NF.5, 5.NF.6, 5.NF.7, 5.MD.1



# Mathematics Video Project 4.0

## 3<sup>rd</sup> Grade

3.MD.4 (with 2.MD.9)  
3.MD.8

## 4<sup>th</sup> Grade

4.NF.5 & 4.NF.6  
4.NF.7

## 5<sup>th</sup> Grade

5.NBT.5  
5.NBT.7 (add & sub)  
5.NBT.7 (mult & div)  
5.NF.3  
5.G.3 & 5.G.4

# Mathematics Resource Updates – July 2019

## 2020 – 2021 Mathematics Resource Edits Document

- Will be posted July 2020 on GSO
  - ❖ Updated Links
  - ❖ Updated Hyperlinks
  - ❖ Updated Intervention Tables



# Mathematics Professional Learning Modules (On-Demand PL for Teachers)

**NEW**

- 6 modules for K-5 and more on the way!



The screenshot shows the MyGaDOE website interface. At the top, there is a search bar for districts and a navigation menu with letters A-Z. A green banner reads "Welcome to MyGaDOE" with links for "Help - Dtticket" and "Online Documentation". Below this, a blue notification bar says "You have (0) new messages." The left sidebar contains "Site Navigation" (Home, Logout), "Curriculum and Instructional Services" (View Documents), and user information for "Caitlin Dooley" (Account Information, Add to Favorites, Help - Dtticket). The main content area is titled "Course Catalog (7)" and displays three course cards:

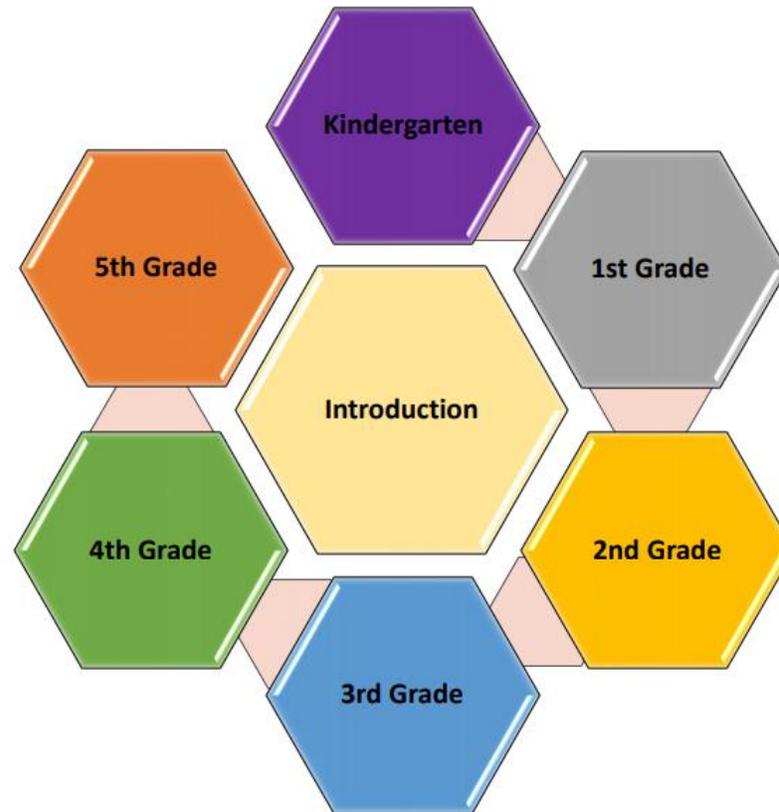
- First Grade Content & Pedagogy Module 1**  
Course ID: 996225
- Second Grade Content & Pedagogy Module 1**  
Course ID: 926383
- Kindergarten Content & Pedagogy Module 1**  
Course ID: 925207



# New Resources Available



## Supporting Students with Disabilities with Distance Learning



## Kindergarten Choice Board Tasks and Activities

# Supporting Students with Distance Learning Documents

|   |   |
|---|---|
| <p style="text-align: center;"><b>Option 1: American Symbols</b><br/><b>Why do we have flags? What do they represent?</b></p> <ul style="list-style-type: none"> <li>Draw a picture of the American flag. How many stars? How many stripes?</li> <li>Create your own flag using shapes (squares, circles, triangles, rectangles, or hexagon). Write about what it represents. What do the colors or shapes mean?</li> <li>Ask questions about what the flags are made of and then investigate the flags that are safe to approach and touch. Are all of the flags made of the same material? What are the characteristics of the material that the flags are made of? Talk to a friend, make a list, or draw and label what you noticed.</li> </ul> <p style="text-align: right; font-size: small;"><i>SSKH2a, SKP1b, MGSEK.G.3, ELAGSEKRI7</i></p> | <p style="text-align: center;"><b>Option 2: Time Patterns</b><br/><b>Can you use time words?</b></p> <ul style="list-style-type: none"> <li>Make a timeline of your life with pictures or drawings. Don't forget to label your timeline using time words.</li> <li>Use pictures or drawings to make a schedule of your day. Don't forget to use your time words.</li> <li>Create a model of the sky showing day, evening, night and morning on a paper plate. Remember to use time words to show changes in time to describe changes in the sky.</li> </ul> <p style="text-align: right; font-size: small;"><i>SKE1b, SSKH3, ELAGSEKW3</i></p>  |
| <p style="text-align: center;"><b>Option 3: Earth Materials</b><br/><b>What about the ground?</b></p> <ul style="list-style-type: none"> <li>Compare two types of soil, for example, Georgia red clay vs potting soil or sand. Create a list of similarities and differences.</li> <li>Directly compare the two types of soil. Describe the difference between the two with a "more of/less of" statement.</li> <li>Look at a simple map. Identify and count how many places where you would find soil. Using the numbers 0 to 20, represent the number of places you would find soil with a written numeral. Explain why soil would be found there.</li> </ul> <p style="text-align: right; font-size: small;"><i>SKE2c, SSKG2a, MGSEK.CC.4, MGSEK.CC.3, ELAGSEKRI9</i></p>  | <p style="text-align: center;"><b>Additional Family Connections</b><br/><b>(Essential Skills to Practice Weekly)</b></p> <ul style="list-style-type: none"> <li><i>Notice and Wonder:</i> Take a walk with a grown up. Did you see any flags? What kind of flags did you see? How many did you see?</li> <li><i>Text Connection:</i> Read a book for 20 minutes. Do you notice any symbols in the book?</li> <li><i>Purposeful Counting:</i> Observe nature with a parent. Each of you look for a different kind of animal, count it, and then discuss who saw more/less?</li> <li><i>Reading and Comprehension:</i> Play "I Spy" with sounds. For example, "I spy something that starts with the letter S." or "I spy something that starts with the /m/ sound."</li> <li><i>Purposeful Counting:</i> Work with one person to make collections with no more than 10 objects (coins, Legos, dolls, rocks, etc.). Count your collections. Identify whether the number of objects in your collection is greater than, less than or equal to the other collection.</li> </ul> <p style="text-align: right; font-size: small;"><i>ELAGSEKRI7, MGSEK.CC.6, SSH2a</i></p> |



## Introduction

The Georgia Department of Education Content Integration Specialists have developed integrated choice board mini tasks aligned to the Georgia Standards of Excellence for English Language Arts, Mathematics, Science and Social Studies. Each grade level includes integrated low tech or no tech tasks and activities meant to engage students and families in purposeful integration of the content. These tasks/activities provide a supplement for any remote instruction provided by the classroom teacher which crosses content areas and can be incorporated into students' distance learning plans. When engaging learners in distance learning, it is important to remember to engage students in activities that continue to promote hands-on, conceptual learning and limit the learners' screen time as much as possible. Therefore, the choice board options include both low tech web-based activities and no tech hands-on, kinesthetic activities. This resource is designed for collaboration between educators and parents/guardians in order to support students continued learning. This is not designed to be an exhaustive list of tasks/activities for students to use to thoroughly master all standards in a content area. These are just quick, convenient, integrated tasks/assignments for students to use to refine their skills and reasoning while learning remotely.

Here are some ways you might utilize this resource:

- Create a choice board of activities using the tasks listed for your grade level. Allow students to choose the activities they want to complete from your created choice board. (Sample choice boards can be found [here](#) and [here](#).)
- Collaborate with the students' parents/guardians and create a distance learning plan that includes activities which aligns to the students' preferred type of activities and IEP goals.
- Provide the entire choice board options to parents/guardians and allow the families decide upon the tasks/activities to complete.
- Use the Demonstrating Knowledge Choice Board for alternate ideas for ways students can demonstrate their knowledge.



# Supporting Students with Distance Learning Documents



## Demonstrating Knowledge Choice Board

|  |  |
|--|--|
| <p><b>Video Documentation</b></p>  <ul style="list-style-type: none"><li>• Cell phone video recording</li><li>• PowerPoint: Screen Recording</li><li>• Camera/Camcorder recording</li></ul> | <p><b>Oral Dictation to Instructor</b></p>  <ul style="list-style-type: none"><li>• Word: Dictate feature</li><li>• Cell phone audio recording</li><li>• Phone call</li></ul> |
| <p><b>Pictorial Evidence</b></p>  <ul style="list-style-type: none"><li>• Cell phone picture capture/Screen snip/Screen capture</li><li>• Drawing</li><li>• Collage</li></ul>             | <p><b>Written Evidence</b></p>  <ul style="list-style-type: none"><li>• Assignment/letter in the Mail</li><li>• Postcard</li><li>• Journal Entry</li></ul>                   |

# Middle School Programming Update

# Mathematics Resource Updates – July 2020

- 2020 – 2021 Mathematics Resource Edits Document

- Will be posted July 2020 on GSO
  - ❖ Updated tasks
  - ❖ Updated links/hyperlinks
  - ❖ Updated Interventions



# Mathematics Video Series (6-8)

The screenshot shows the Georgia Department of Education website. At the top, there is a navigation bar with links for Home, CCRPI, Georgia Standards of Excellence, GPS, Content Area Frameworks, Resources/Videos, Personalized Learning, and Archives. Below the navigation bar, there is a section titled 'BROWSE STANDARDS' with a list of subjects: English Language Arts, Fine Arts, Mathematics, Science, Social Studies, Literacy in Social Studies, Science, & CTAE, Archives, and Physical Education. To the right of this list, there is a video player for '6th Math MGSE6 RP 3a video'. The video player shows a person's hands using colorful markers on a wooden table. Above the video player, there is a title 'What do Mathematics Standards Look Like in the Classroom?' and a description: 'The Georgia Department of Education deeply appreciates the efforts of Georgia mathematics educators which resulted in the GSE Mathematics Standards in the Classroom video series. The series spotlights Georgia teachers and students engaged in effective instruction surrounding challenging standards as identified by mathematics teachers.'

## 6th Grade – 11 Videos

6.RP.3, 6.RP.3a, 6.RP.3c, 6.NS.1, 6.NS.2, 6.EE.3/4, 6.EE.9, 6.G.1, 6.G.2, 6.G.4, 6.SP.5

## 7th Grade – 12 Videos

7.RP.2, 7.RP.3, 7.NS.1, 7.EE.3, 7.G.1, 7.G.2, 7.G.3, 7.G.6, 7.SP.2, 7.SP.3, 7.SP.7, 7.SP.8c

## 8th Grade – 11 Videos

8.NS.2, 8.EE.4, 8.EE.8, 8.F.2, 8.F.5, 8.G.1, 8.G.2, 8.G.3, 8.G.4, 8.G.5, 8.SP.4



Updated 6.NS.1 video will be posted July 2020 on GSO

# Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST)

- Application deadline for the 2019 – 2020 Cycle for K – 6 teachers has been extended to **October 26, 2020**



# High School Programming Update

# NEW UPDATES

- The newest updates to the Mathematics Graduation Guidance Document can be found at [www.gadoe.org/mathematics](http://www.gadoe.org/mathematics).



## Graduation Requirement Guidance



New!

# Technical College Readiness Mathematics

## NEW UPDATE:

- **What are the updates to the Technical College Readiness Mathematics course due to the COVID-19 global pandemic?**
- **Answer:** The protocol for placing students in the Technical College Readiness Mathematics course remains a local decision. Guidance can be found in this frequently asked questions document to assist districts with this decision. The content of the course is directly related to getting a passing score on the ACCUPLACER. As district leaders make decisions on which students to place students into this course, they should be reminded of this purpose.
- The TCSG Commissioner has suspended the provisions of their Admission Procedure 6.2.1p that requires student testing for this upcoming Summer and Fall semesters due to COVID-19; therefore, students may be enrolled in the required mathematics courses at the technical college without this test score.

# Mathematics Resource Updates – July 2020

- 2020 – 2021 Mathematics Resource Edits Document

- Will be posted July 2020 on GSO
  - ❖ Updated tasks
  - ❖ Updated links/hyperlinks
  - ❖ Updated Interventions



# Mathematics Video Series (HS)

Georgia Standards of Excellence

Home CCRPI Georgia Standards of Excellence GPS Content Area Frameworks Resources/Videos Personalized Learning Archives

BROWSE STANDARDS

What do Mathematics Standards Look Like in the Classroom?

The Georgia Department of Education deeply appreciates the efforts of Georgia mathematics educators which resulted in the GSE Mathematics Standards in the Classroom video series. The series spotlights Georgia teachers and students engaged in effective instruction surrounding challenging standards as identified by mathematics teachers.

High School Mathematics Video Series

MGSE9-12.N.Q.1 and MGSE9-12.N.Q.3

HS Math MGSE9-12.N.Q.1 N.Q.3 Video

Watch later Share

Video MGSE9-12.N.Q.1 and MGSE9-12.N.Q.3 Resources

- Solar Radiation Model Task, Illustrative Mathematics
- Personal White Boards

## High School – 21 Videos

N.Q.1/3, A.SSE.3b, A.CED.3, A.REI.4b, A.REI.6, F.BF.1a, F.IF.3/F.BF.2, F.BF.3, F.LE.3, G.CO.9/10/11, G.SRT.4, G.SRT.8, G.C.5 Part 1, G.C.5 Part 2, G.GMD.2, G.GMD.3/4, G.GPE.6, G.MG.2, G.MG.3, S.ID.6/6a/6c, S.CP.3



Videos N.RN.2 and G.GPE.4&7 will be posted July 2020 on GSO

# IDA Course Updates

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/Curriculum-and-Instruction/Documents/State-Funded-List-of-Subjects-and-Courses-Supported-by-SBOE-Rule-160-4-2-20-Summary-of-Changes.pdf>

- Year 2 IB Courses Deleted from list of approved, state-funded courses  
*(beginning June 2020)*

# Launch Years Initiative Update

## Math Should Be a Way, Not a Wall

For far too many students, math is a wall—not a way—to their postsecondary and career success. In fact, the Mathematical Association of America calls math “the most significant barrier” to finishing a degree—and ultimately to a path of greater opportunity for all students.

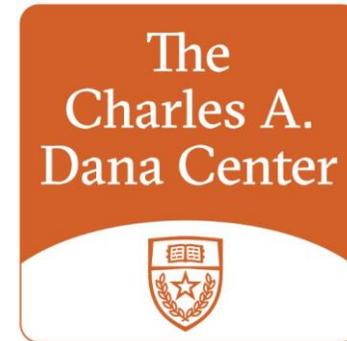
We are at a turning point in mathematics education.

New research on math teaching, new clarity about the math needed for success, and new commitment to collaboration across the K-12 and higher education sectors have brought us here. Evolving technology and a changing economy are also signaling that this is the right moment for action. Now is the time to modernize high school math.

So how can we ensure every student—regardless of circumstances, background, or zip code—has access to high-quality math education that’s relevant to their future?



UNIVERSITY SYSTEM OF GEORGIA

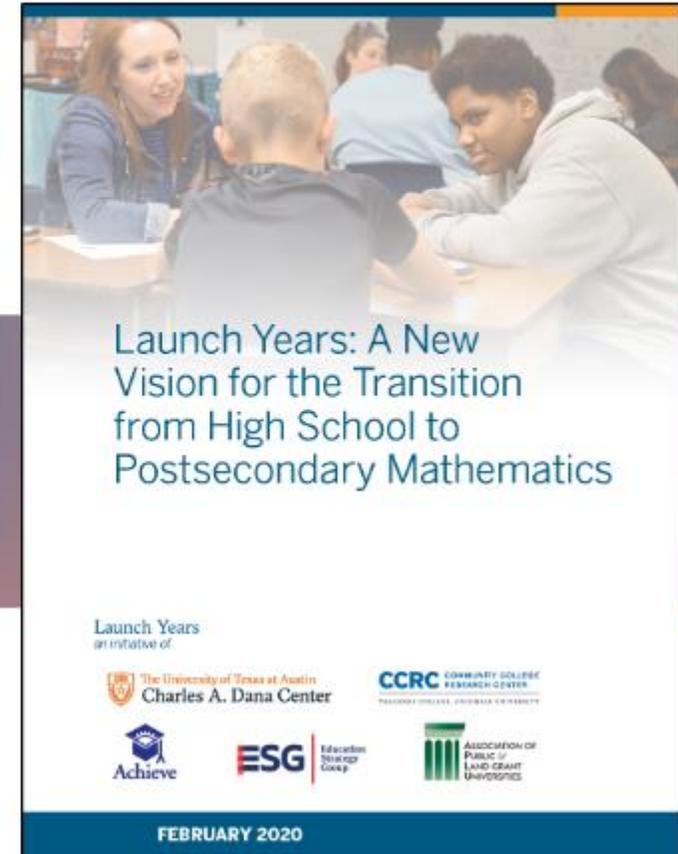


# Launch Years Report

A wide-ranging report exploring key barriers, opportunities, and recommendations for actions we can take to mobilize Launch Years work.

*Launch Years: A New Vision for the Transition from High School to Postsecondary Mathematics*

Learn More & Download at:  
[UTDanaCenter.org/launchyears](https://UTDanaCenter.org/launchyears)



# Launch Years initiative

[ACCESS THE LAUNCH YEARS REPORT](#)

**MATH SHOULD BE A WAY,  
NOT A WALL.**

# Courses Impacted by Launch Years Initiative

## College Readiness Mathematics

- (New name proposed...  
Mathematics Capstone Course  
– MC<sup>2</sup>
- Input/Feedback on name????

## Algebra II/Advanced Algebra

- New - Modernized Algebra II/Advanced Algebra
- Course looks different from current Algebra II
- Increased presence of statistics and data science

# All stakeholders hold a critical role





# Sharing of Ideas!

What are your plans for starting next school year strong?

# Questions to Consider during Breakouts

1. What barriers are you facing for the upcoming school year?
2. What opportunities are present for the upcoming school year?
3. What ideas do you have to begin the 2020-2021 school year strong?
4. How will you help teachers identify gaps in learning?
5. How will your teachers accelerate each learner to continue learning?
6. What resources and strategies will you use to support learners?

# Group Reflection Protocol

- In small groups, reflect on the six questions provided.
- Identify a person to be the **RECORDER** and a **TIMER** for your small group to keep each breakout group on pace with moving through the 6 questions as you each share your ideas.
- Respond to each question using the template at the following link:

[www.tinyurl.com/GAMathSummitIdeas](http://www.tinyurl.com/GAMathSummitIdeas)

**SEE BREAKOUT GROUP TAB AT THE BOTTOM**

# Group Time

## Transition to Zoom Breakouts

Please join your breakout group in Zoom using the link provided (see prompt on your screen).



[www.tinyurl.com/GAMathSummitIdeas](http://www.tinyurl.com/GAMathSummitIdeas)



# Sharing of Ideas! - Whole Group Share-out

What are your plans for starting next school year strong?

# QUESTIONS??



# Preparing students for life.

[www.gadoe.org/mathematics](http://www.gadoe.org/mathematics)



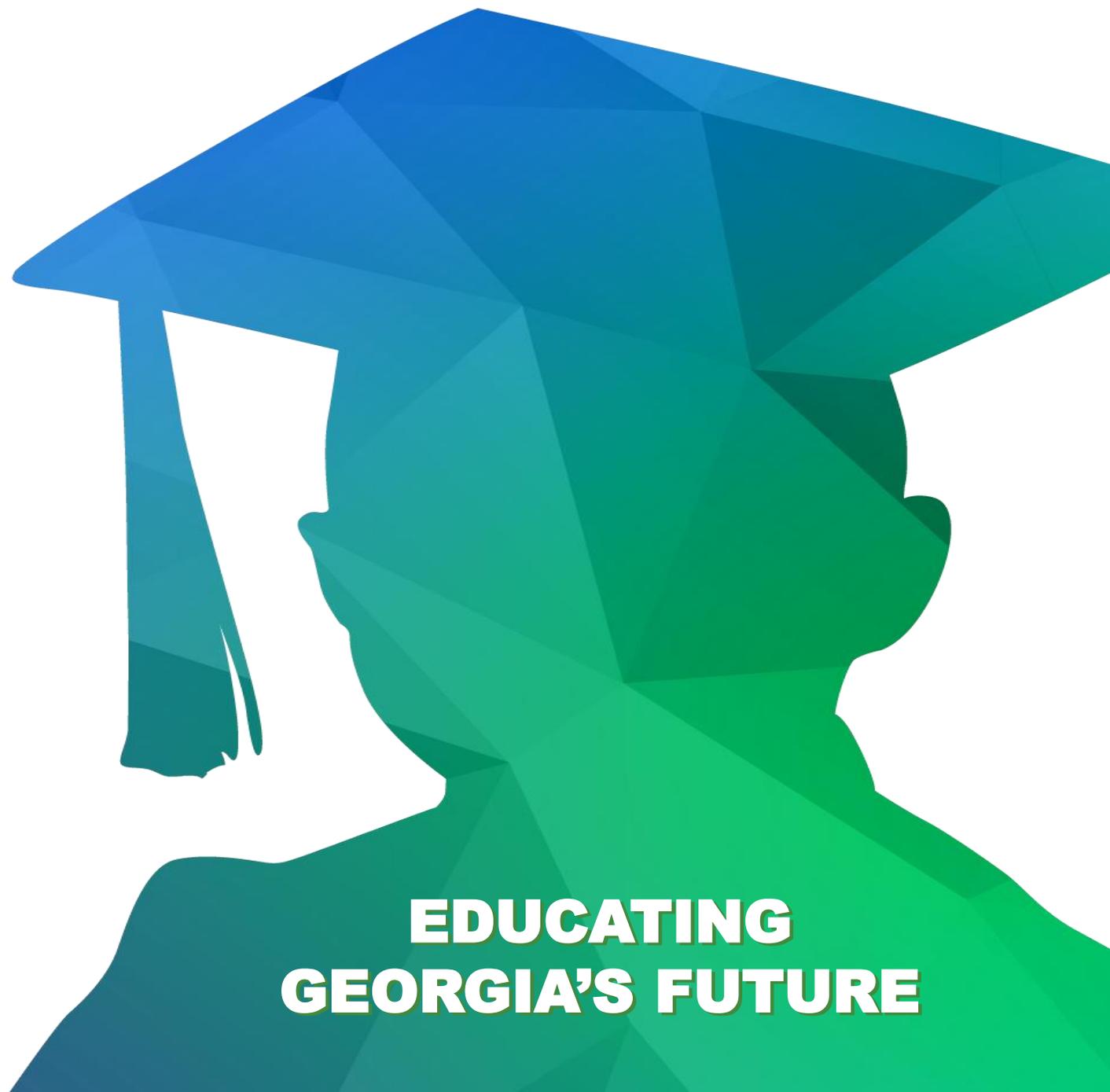
@GaDOEMath



[youtube.com/georgiastandards](https://youtube.com/georgiastandards)



**EDUCATING  
GEORGIA'S FUTURE**



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## **Important Websites to Remember**

[www.gadoe.org/mathematics](http://www.gadoe.org/mathematics) Georgia Mathematics Program Information

[www.edweb.net](http://www.edweb.net) Professional Learning Communities

[www.georgiastandards.org](http://www.georgiastandards.org) Curriculum Resources