REIMAGINING EDUCATION DURING COVID-19 and BEYOND

The NEW Computer Science!
K-12 Education for the Information Age

**2020 Fall Virtual Instructional Leadership Conference**
October 6-7, 2020

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GaDOE
Georgia Department of Education

Session Logistics

- **Handouts:** Session handouts are available for download in the handouts section on your screen and at www.gadoe.org/sdeevents

- **Questions:** Use the question box to type questions or comments throughout the presentation

- **Feedback:** We ask all participants complete the pop-up feedback survey after the close of the session

- **Recording:** A link to the session recording and certificate of attendance will be emailed in 24-hours

- **On Demand:** All sessions will be available on-demand following the conference on the SDE Events and Conference webpage
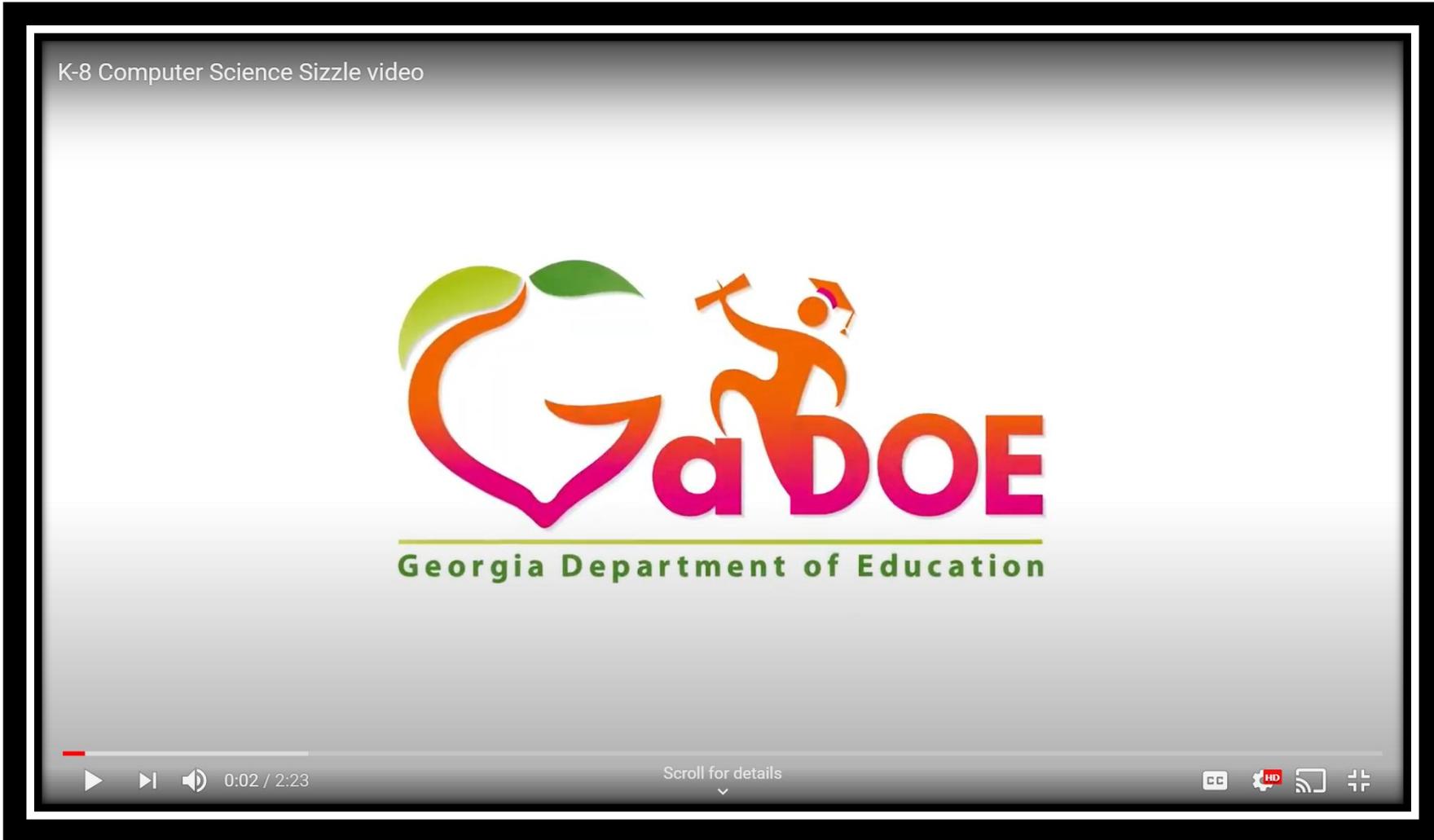
K-8 Computer Science Sizzle video =- https://www.youtube.com/watch?v=l-D7c9tUbb4&t=2s

Common Vision

All K-12 students in Georgia will have access to a computer science course during the school day regardless of their zip code.

Societal Level Motivations

- Problem solvers of the world
- Economic imperative
- Civil rights

School Level Motivations

- Student engagement/satisfaction
- Student success (regardless of career)
- Parent preference
- Cross content integration/contextualized instruction
- Graduation Credit (Science & Foreign Language)
- CTAE Pathway Completion Graduation Rate
- AP and Dual Enrollment options
- CCRPI Points (ES, MS, HS)
- Legislative mandate

Georgia Historical Context

- 2015 – Governor's CS Task Force
- 2016 – CS4Atl; CS Specialist; 33 teachers
- 2017 – CS4GA; NSF Pilot; 76 teachers
- 2018 – State plan; MS CTAE grant; 230 teachers
- 2019 – K-8 Standards; SB 108; 260 teachers
- 2020 – K-8 Courses; CS4GA Capacity Grant; 378 teachers

So Why NOW?!?!

Current Climate Brings Clarity

- Digital Literacy, familiarity, and advanced skills are more of a requirement now than ever

- New technologies such as self driving cars, AI, Data Science, and Cell phone technologies are changing society forever

- Computing technology and the Internet have revolutionized every industry in society; traditional jobs are changing

- New jobs based on new skills are popping up everyday

What Can You Do?

Address Multiple Points of Impact

- Support Teachers

- Stimulate & Plan with Districts Leaders

- Engage Local Industry

- Involve Counselors & IT Support

- Work with parents, students, GaDOE

Available GaDOE Supports

New 2021 CS Capacity Grant!!

Part of the SB108; Up to 25k; Designed to help school systems build CS Teaching Capacity

New System Implementation Workshops!!

Participating school systems walk away with a CS Implementation Plan

New Online Professional Learning!!

Online professional learning offered to all Georgia teachers; access via your student information system on your SLDS – PL tab.

In Case you missed it:
Summer PD Workshop

**A collaboration between GaDOE,
The Constellations Center for Equity in Computing,
Georgia CSTA, and CS4GA**

[CS Summit/Workshop](https://www.youtube.com/playlist?list=PLIxd-YuJ7GfFInaNReuHdQf7LyurwZmn4)

https://www.youtube.com/playlist?list=PLIxd-YuJ7GfFInaNReuHdQf7LyurwZmn4

Georgia Department of Education

Coming Soon: New CS GSO Page!!

**Teacher Notes for each CS Domain
Sample Integrated Units
Standards
CS Data Dashboard
and More**

https://www.csteachingtips.org/

Computer Science Highlights/Updates

- Credentialed CS teachers (GACE or Endorsement)

Year	Total Credentialed Teachers in GA
2016	33
2017	76
2018	226
2019	260
2020	378
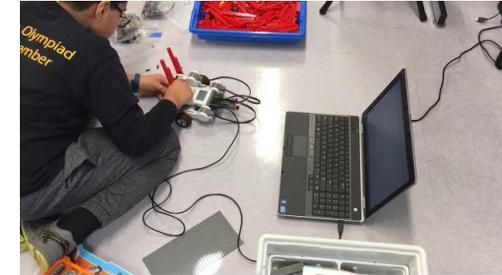
- GaVS Teacher PD Courses

- Standards (K-12); Legislation (SB 108)
  - All MS and HS (~1,000 schools) must offer CS by 2025

- State Grants
  - CTAE MS Grant: 30 schools; $500k
  - CS4GA Capacity Grant: 33 Systems; $744K

- CS Implementation Workshops:
  - Single or multi-district Training; partnership with CS4GA and GaTech
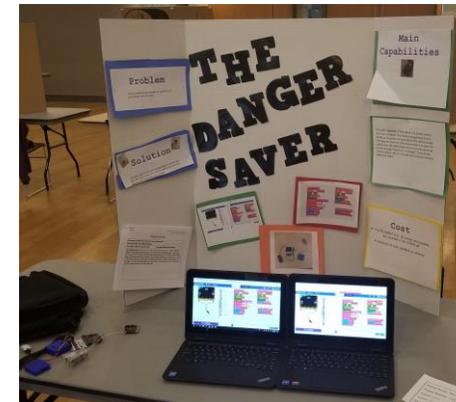
Session Feedback

The Georgia Department of Education believes in continuous improvement and would appreciate your feedback to ensure the presentations we provide are of the highest quality and meet the needs of the specific audience.

Please take a moment after the session ends to complete the pop-up feedback survey.

Share your conference highlights now!

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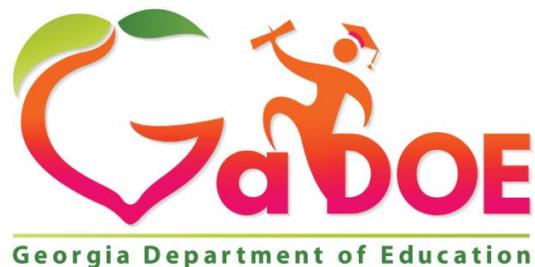
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GEORGIA'S FUTURE