CREATIVE DIGITAL PROJECTS ACROSS THE CURRICULUM

And The Competition

Your Students Can Enter Them In
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GEORGIA EDUCATIONAL TECHNOLOGY CONSORTIUM

GEORGIA EDUCATIONAL TECHNOLOGY CONFERENCE

GEORGIA STUDENT TECHNOLOGY COMPETITION

TEACHER INNOVATION GRANTS
FIRST, LET’S TALK A LITTLE ABOUT THE REGIONAL COMPETITIONS
GEORGIA STUDENT TECHNOLOGY COMPETITION REGIONS

- Atlanta Public Schools
- Bulloch County
- Chattahoochee Valley
- Cobb County
- Dekalb County
- East Atlanta
- Forsyth County
- Fulton County
- Independent and Homeschools
- Hall County
- Middle Georgia (Bibb)
- Northwest Georgia
- Oconee RESA
- Okefenokee
- Piedmont
- Southwest Georgia
- West Georgia

Don’t see a region for your students? Participate in the one nearest you. Or, ask about starting one in your area.
WHY SHOULD YOUR STUDENTS ENTER A REGIONAL COMPETITION?

- Computer science drives innovation throughout the US economy, but remains marginalized in K-12 education.

- Technology affects every field of commerce: healthcare, in space, in our homes, on our roads, in entertainment and the trend grows every day.

Source: Code.org
OUR COUNTRY THRIVES ON INNOVATION

Computing jobs are the #1 source of new wages in the US

400,000 current openings

These jobs are in every industry and every state, and they’re projected to grow at twice the rate of all other jobs.

Source: Code.org
The competition encourages student interest and engagement in activities they may not have the opportunity to participate in school.

**Computer science is fundamental for every student’s success**

Six different studies show: children who study computer science...

- perform better in other subjects
- excel at problem-solving
- are 17% more likely to attend college

Source: Code.org
The most enjoyed subjects are core to creation of digital products, which are highlighted at the competitions.

Students enjoy **computer science** and the arts **the most**!
Computational thinking means thinking or solving problems like computer scientists. CT refers to thought processes required in understanding problems and formulating solutions. CT involves logic, assessment, patterns, automation, and generalization.
Many teachers may already be teaching these skills.
3D MODELING

Curriculum

- Across the Curriculum
- All Grade Levels 3+

Software

- SketchUp
- AutoCAD
- Windows 3D Builder
- Tinkercad
- Blender
ANIMATION Software
Across the Curriculum. All Grade Levels.

Code.Org
Curriculum Software
Powtoon iFunFace Code.org AnticsScene
Create and Perform a song or music for any standard

MuseScore
Bandicam
FL Studio
DIGITAL GAME DESIGN

Curriculum
- All Content
- Areas

Software
- Scratch
- Minecraft
- Gamemaker
- Code.org

BrainPop
Gamestar
Mechanic
### Curriculum
- All Content Areas

### Software
- Gimp
- Adobe Photoshop
- Picmonkey
Graphic Design

Curriculum

- Posters/Ads
- Show What You Know

Software

- Adobe
- Illustrator
- Canva
- Google Draw

Before and After

Adobe
INTERNET APPLICATIONS

Curriculum

Across the Curriculum. All Grade Levels 3+

Software

Websites
Blogs
(Weebly, Wix)
Multi-Player Server
(Minecraft)

Tucker’s Tug Toys

Weebly.com
PRODUCTIVITY DESIGN

Curriculum
- Math
- Science
- Data
- Driven Lessons

Software
- Microsoft/Google
- Word/Excel/Docs/Sheets/Canva
- Infographics
Multimedia Application - More than one tool

**Curriculum**

Across the Curriculum
All Grades

**Software**

Google Slides
PowerPoint
PowToon

**Google Slides**
PROJECT PROGRAMMING

Software

Java
Python
Code.org

Assesses Stroke Victim Brain Activity
ROBOTICS - No Remote Controls
Curriculum
Software

Math
Computer Science

From a kit
Own Design
Lego
Sphero

Cha Cha now y'all
Mobile Apps
Software

Appy Pie
GameSalad
TheAppBuilder

Samarth M., 7th Grade
1st Place Regional
2nd Place State
OTHER CATEGORIES

Programming Challenge Device Modification i.e. Makey Makey
Projects for the Competitions Do Not Need to Be School Assignments

They’re creating at school with PBL and at home for fun. Now they have a chance to show it off in an exciting, encouraging and safe environment.
The Regional and State Competitions will be virtual this year. Not all regions may participate. That doesn’t mean the students can’t. Check the GaSTC.org website regularly for updates.