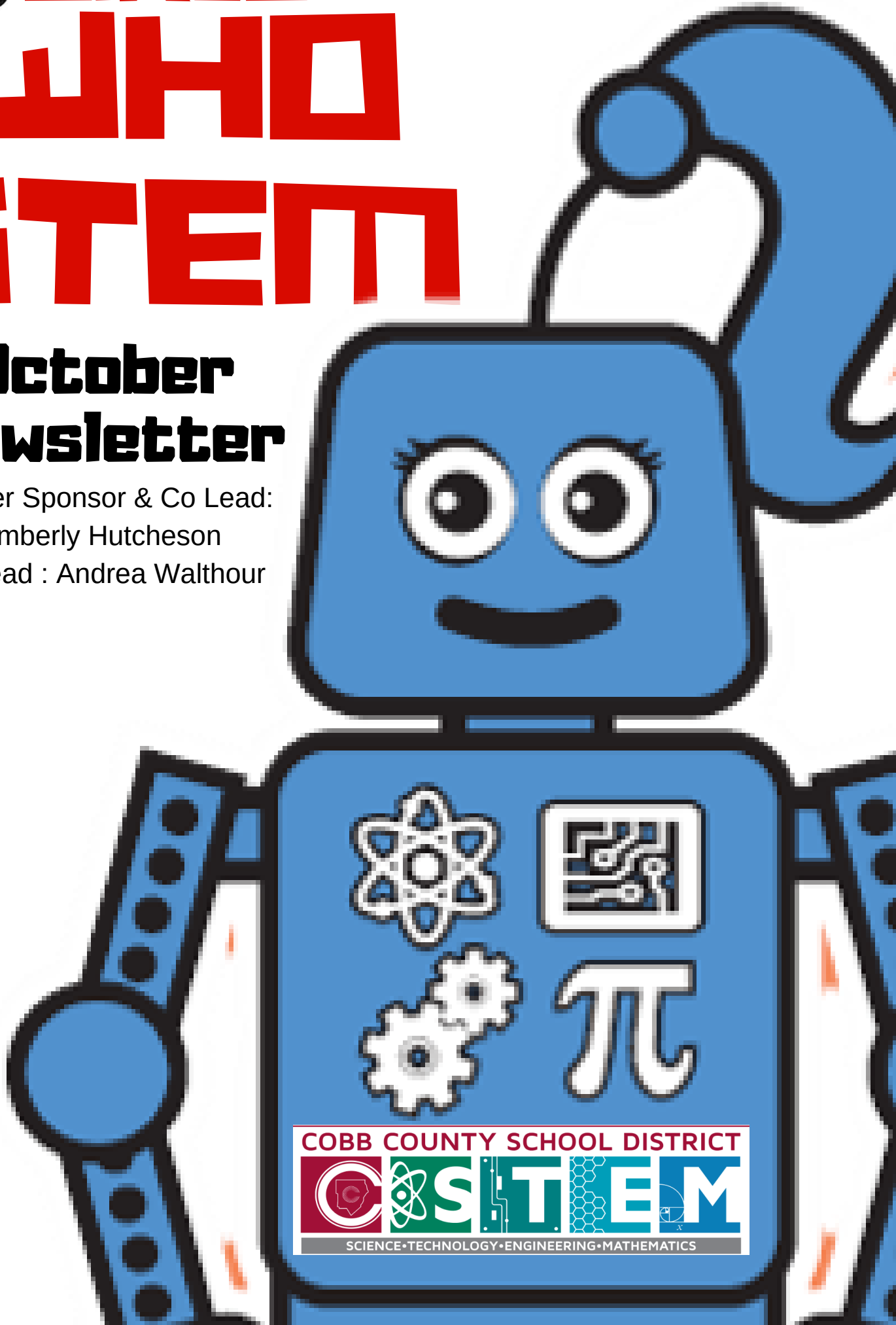




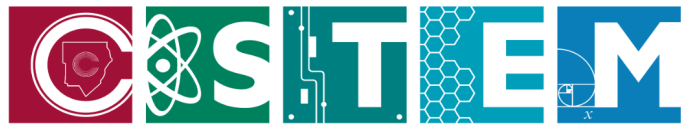
# GIRLS WHO STEM

## October Newsletter

Teacher Sponsor & Co Lead:  
Kimberly Hutcheson  
Co Lead : Andrea Walthour



COBB COUNTY SCHOOL DISTRICT



SCIENCE • TECHNOLOGY • ENGINEERING • MATHEMATICS

# STEM Notes



## Katherine Johnson

(born 1918)

*Mathematician*

Katherine Coleman Goble Johnson was a NASA mathematician for the Mercury program, the Apollo 11 mission, up through the Space Shuttle program. She famously was asked by astronaut John Glenn to double-check the calculations for his first orbit around the Earth which had been previously calculated by a computer for the first time in history. She is a recipient of the Presidential Medal of Freedom.



Partnering with  
Reach for the Stars  
21st Century  
Learning Centers

Happy 101st Birthday  
Katherine Johnson

3, 2, 1...blast off! Here's to making history and two more female role models girls everywhere can look up to! 🚀👏 Thank you, @Astro\_Christina and @Astro\_Jessica! @Space\_Station #AllWomanSpacewalk :

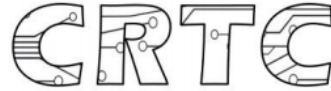


History being made with the first 2 female spacewalkers. The NASA Office of STEM Engagement is sending a call out for students to submit photos to send good wishes to Christina and Jessica as they participate in the first all-female spacewalk tomorrow. Some photos may be shown during the EVA broadcast. <https://twitter.com/NASASTEM/status/1184831438711152640>



# Show what you know

Be a Part of It!



Cobb Regional Technology Competition

**A TECHNOLOGY COMPETITION FOR 3RD-12TH GRADE STUDENTS IN COBB COUNTY SCHOOLS, MARIETTA CITY SCHOOLS, DOUGLAS COUNTY SCHOOLS, AND ALL PRIVATE AND HOME SCHOOLS THEREIN**



January 25, 2020

Inclement Weather Date February 1



Kennesaw Mountain High School  
Kennesaw, Georgia



Register online individually or with a partner.

14 Categories across five grade bands; 3|4, 5|6, 7|8, 9|10, 11|12. Registration will open early November and close December 20, 2019.



\$10 registration fee per participant.  
Visit website for details.

All 1st place winners are automatically entered into the state competition held on March 14, 2020 at Kennesaw State University, Marietta Campus



CobbRTC@gmail.com

CobbRTC.weebly.com



@CobbRTC #CobbRTC

## Baker Elementary extraordinary opportunity

Xinabox has given Cobb County students an opportunity to design an experiment for the Quest CubeSat to ISS space mission which is launching in February 2020. This experiment will be onboard the NG-13 mission to the ISS where it stay for two months collecting data and then will come back down to Earth hitching a ride on a SpaceX Dragon capsule. All that Xinabox needs from us is some ideas on types of data that students would like see during the x-chips time at the ISS. They will take our ideas and put the appropriate sensors in the CubeSat for launch.

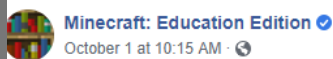
### Harvest Time

As the world population grows, optimizing food production is becoming increasingly more important.

Your challenge this month is to code the Agent to improve the efficiency of growing and harvesting crops through automation. Just like in the real world, crops in Minecraft have special requirements to successfully grow.

Use the book and quill to take notes on the choices you made to automate your farm and about the variety of crops you chose grow.

# Minecraft Challenge



As the world population grows, optimizing food production is becoming increasingly important. For October's Build Challenge, students code the Agent to grow and harvest crops more efficiently through automation, then share their results using the Book and Quill.

Download the Harvest Time world and get started: <http://msft.social/L0hURY>

# Women in STEM

WELCOME TO OUR SPECIAL GUESTS 10/24/19

Jonna Metzger, WOW ATL Falcons Ambassador  
Dr. Beverly Wright, Data Scientist

- Telling our story through podcasting



Be sure to follow us on  
twitter at:

@GirlsWhoSTEMBaker

#STEMCobb

#LearnGrowLead