



Coretta Scott King Young Women's Leadership Academy Globally Conscious STEMInists!



Mission:

Our mission at Coretta Scott King Young Women's Leadership Academy is to:

- **Provide** a rigorous college preparatory curriculum to ensure that our CSKYWLA ladies are college and career ready.
- **Develop** the next generation of women in STEM.
- **Embrace** diversity and inclusiveness as an essential component in the way we educate our students.
- **Contribute** positively to our community and our environment on a global scale.

Vision:

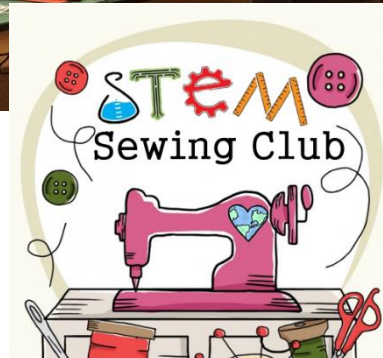
CSKYWLA will provide dynamic learning experiences and opportunities where all students will possess a strong academic foundation, while being motivated to critically think, problem-solve, and engage in making positive and lasting contributions for the good of themselves, our school, and the community.

Exciting and globally conscious initiatives taking place during the 2017-2018 school year:

STEM Sewing Club: Often times, young women shy away from entering STEM fields due to the lack of spatial skills. These skills can be developed through sewing as we take two dimensional fabric to create three dimensional functional objects. After learning about the "Period of Shame", our students wanted solutions. How can we ensure that these girls are not missing up



to 20% of school days due to the lack of proper feminine hygiene products which eventually leads them to dropping out of school? The solution was sewing. Our STEM Seamstresses will be sewing reusable pads to send to our partner Gozie Udemezue in Nigeria. Gozie will be distributing these pads free of charge to girls of the local village in order to reduce the dropout rate due to the "Period of Shame".



CSK Edible Garden | *Where we grow together!* Our students are tending to our school garden in order to bring fresh produce to the community. Our surrounding community is classified as a food desert due to the limited availability of fresh and healthy foods. The CSK Edible Garden will offer fresh produce such as basil, lemon balm, lavender, thyme, parsley, mint, arugula, kale, spinach, and cabbage. In addition to growing fresh produce, our garden also composts food and plant waste.

Keeping food and plant waste out of landfills is essential- when food sits in landfills and isn't exposed to oxygen, or provided with proper materials for decomposition, it releases methane gas into the air. Methane gas is a more potent greenhouse gas than CO₂!





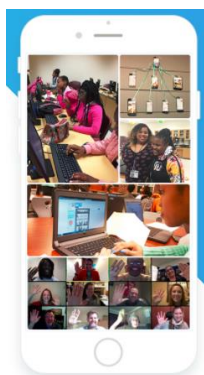
CSK Honey Bee Learning Center: Our Junior Beekeepers attended a course in the importance of honey bees, honey bee social structures, and how to harvest honey and beeswax. Our agriculture relies on bees and they are currently suffering massive loss as pesticides are wiping out hundreds of thousands of bees. Thanks to the Metro Atlanta Beekeepers Association, we are doing our part and including a honey bee hive to our school garden come this spring. The purpose of the CSK Honey Bee Learning Center is to reconnect youth and adults with the natural world, provide an engaging and unique tool for teaching STEM to students, empower students to act as bee ambassadors, and instill in youth the value of hard work, collective impact, and the importance every individual has in their community.



JROTC Recycling Program: Our JROTC students are student leaders spearheading a recycling program where they collect materials weekly for recycling to reduce our carbon footprint and to help promote green living. School recycling programs offer the opportunity to

reduce the solid waste stream, educate on proper waste reduction practices, and instill a sense of leadership and responsibility in our future leaders.

Sole Hope: Sole Hope is a ministry based in Jinja, Uganda. Their mission is to provide hope, healthier lives, and freedom from foot related diseases, such as Jigger infestations, through education, job creation and medical relief. Shoes and clean water are two items that are hard to find in most villages in Africa, and both are necessary when it comes to preventing jiggers. Children and adults alike can even lose toes and fingers to infection from the wounds created by jiggers. A common way to remove a jigger is with a needle, pen or an item with a sharp point. In most villages, a needle is used with multiple individuals, further spreading diseases like HIV and Hepatitis. Discontinuing this practice is part of Sole Hope's education message. They also spray the homes and schools to reduce the Jigger populations. Sole Hope is able to create jobs through its shoe manufacturing program which provides shoes to countless number of children as a means to prevent disease. In doing our part, Dr. Venning (JROTC) along with the CSK family has in place multiple drives this year to assist Sole Hope in their mission.



MAD about Mattering: MAD about Mattering is a one-of-a-kind program that brings global collaboration beyond classroom, city, state, and country walls together with app development that is compassion-based and problem/solution focused. MAD about Mattering leads the charge on teaching global collaboration and social *app*reneurship at our school and is an opportunity which enables students to learn important technological and life skills in a spirit of international cooperation while having fun! Our girls competed last year and all 4 apps from our school were chosen as the four finalist for this global competition! The apps were as follows: *Alcohol Control*, *Safe Network*, *Smile-A-Day*, and *Being Active*.

Other STEM centered initiatives for the 2017-2018 school year include the **STARs Science Club** and **Project ENGAGES** hosted by Georgia Tech.

Thank You!

Thank you to our STEM partners for helping our vision become a reality!

- ♥ Natalie King, Assistant Professor at Georgia State University, Founder of I AM STEM
- ♥ Erin Winick, Engineering Student at the University of Florida, CEO of Sci Chic
- ♥ Kristina Smith, STEM Pipeline Program Director
- ♥ Metro Atlanta Beekeepers Association
- ♥ Alanna Conley, Environmental Protection Agency
- ♥ Shayla Terry, STEM Sewing Club Assistant Instructor Owner/ Operator at THE BANK Luxe Boutique
- ♥ Georgia Institute of Technology