



2021 #IAmCS Student-Led Summit

By: #IAmCS 2021 Student Leaders

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Introductions



Ahmya Rivera
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Northeast Academy for Aerospace
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Johna Speller
Rising Junior

North Carolina School of Science
and Mathematics



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Rising Junior

North Carolina School of Science
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Olivia Stevens
Rising Freshman

North Meck High School



Whitley Ryles
Rising Sophomore

Rocky River High School

TABLE OF CONTENTS

01 **The Process**
Discussing the process. Which includes the problem and reasoning.

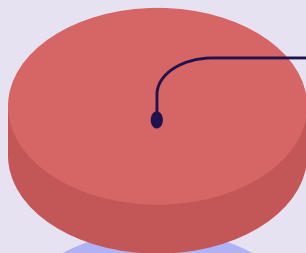
03 **Call to Action**
Emphasizing the mission.

02 **Highlights**
Reviewing **all** the highlights. From the workshops, intro, and closing remarks.

04 **Next Steps**
Our future/next steps.

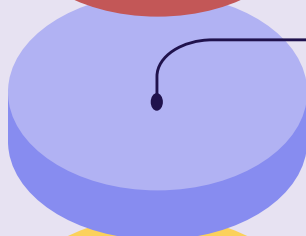
01

Our Progress



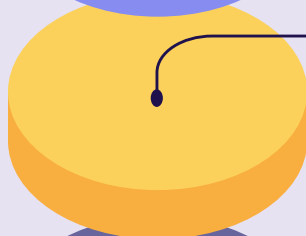
1

Understanding
the Problem



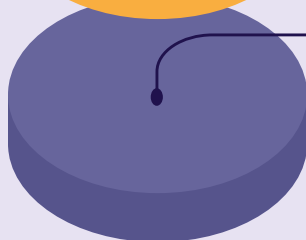
2

The Birth of an
Idea



3

The Team



4

The Summit

UNDERSTANDING THE PROBLEM



Students Perspective

Looking into student's perspectives of STEM and the challenges that are created



Gender Diversity

Researching and understanding the status of gender diversity within STEM

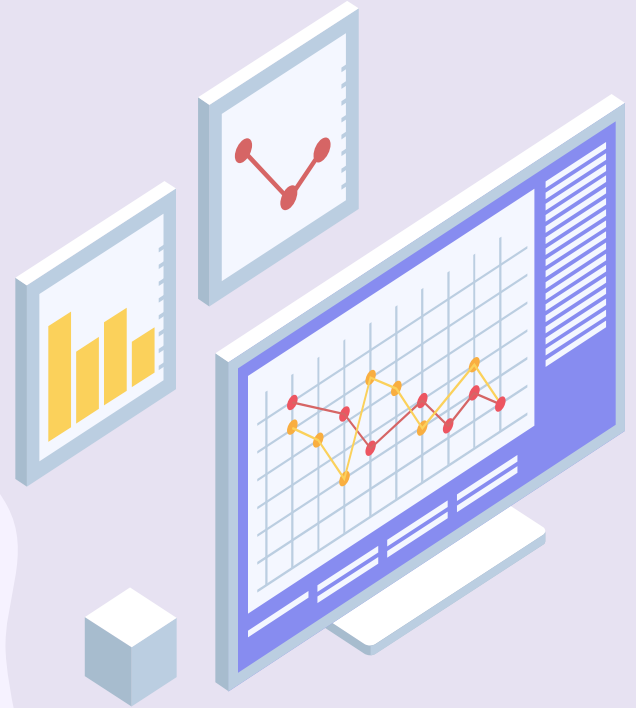


Racial Diversity

Researching and understanding the status of racial diversity within STEM

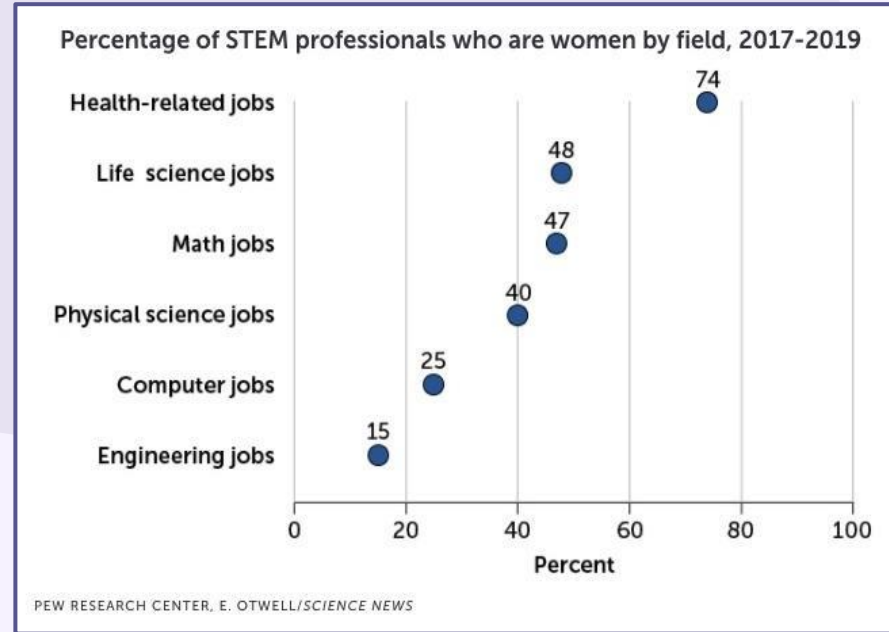
Addressing STUDENT CHALLENGES

- Allow fear of failure to prevent them from trying
- Shy away from extreme educational challenges
- Fear of not being smart or talented enough to be successful
- STEM is looked at as too difficult
- STEM for only certain students to pursue



Gender Diversity IN STEM

- Men outnumber women majoring in most STEM fields in college
- Women make up only 28% of the workforce
- The gender gaps are particularly high in some of the fastest-growing and highest-paid jobs of the future
- Representation of women varies by field
- Women now make up about 40 percent of physical scientists (22% in 1990)
- Women constitute only 25% of workers in computing, (32% in 1990)



Racial Diversity IN STEM

Education:

- Black and Hispanic students are less likely to pursue degrees in STEM than in other fields
- Black students earned 7% of bachelor's degrees in STEM in 2018 (the most recent year with available data)
- White and Asian students are overrepresented among STEM college graduates

Workforce:

- From 2017 to 2019, Black professionals made up only 9% of STEM workers in the United States
- Hispanic professionals made up only 8% of people working in STEM
- White and Asian professionals remain overrepresented in STEM professions



The BIRTH OF AN IDEA

- Original ideas: Videos, Workshops, Crash Courses, Sessions, etc.
- Combination of Ideas into a Student-Led CS Summit

Creating a Plan:

- 1st - Set a Schedule of Events for the Summit
- 2nd - Find Students to help lead this initiative
- 3rd - Set a Date
- 4th - Begin Creating the Summit



THE TEAM

- A call for student leaders for planning and marketing
- Process of finding Student Leaders was initially difficult
- Reached out directly to NC STEM Leaders (Teachers, Organization Leaders, etc.)
- Student registration increased
- Hosted introduction meeting
- Team of Student Leaders was created



THE SUMMIT

- Day of Summit: May 15, 2021

Summit Included:

- Workshops
 - STEM and CS Networking Session
 - Student Keynote Speaker
 - Closing Speech
 - Merchandise
- The First Annual #IAmCS Student-Led CS Summit was a success
 - The beginning of “something great”...



02

Our Highlights

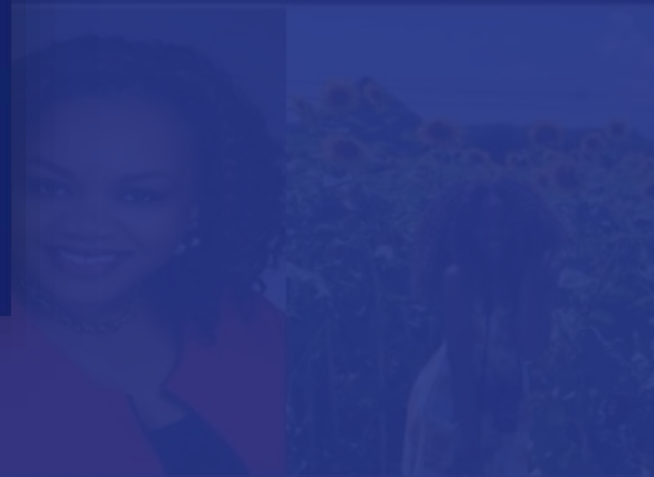
#IAmCS Summit



Highlights

What we like/took away from the summit

Awards Ceremony
&
Raffle Winners



Our Panelists

1. Discussion

-Audience

Games and Feedback Form

-Guest Speakers

Interacting with the Audience, while also being informative. (Special thank you and shout-out to the speakers!)

-Student Leaders

Breakout Rooms and Daily Meetings



Our Panelists

2. Fun

Games, Interacting with Students...



All of it :)

#IAmA

Our Panelists

3. WEALTH OF KNOWLEDGE

- **INQUISITIVE STUDENTS**

The students were inquisitive and left the guest speakers and workshop facilitators thinking and invigorated.

- **INQUISITIVE GUEST SPEAKERS**

The guest speakers were inquisitive and left the students and workshop facilitators thinking and invigorated.

- **INQUISITIVE WORKSHOP FACILITATORS**

The workshop facilitators were inquisitive and left the guest speakers and students thinking and invigorated.

Our Panelists

4. NETWORKING

- SURPLUS OF SUCCESSFUL SPEAKERS

Due to our immense amount of successful guest speakers, students were able to network and make connection in the World of STEM!



03

CALL TO ACTION



#IAmCS Summit



The Need For STEM



STEM not only helps students develop mental habits that will help them succeed in any field but also helps teaches critical thinking and innovation.

The perception of STEM is perceived as more masculine, in addition young girls and women need more role models in STEM

#IAmCS answered this call, a workshop dedicated to providing insight on how STEM can be used throughout life and giving more children the opportunity to be more exposed to STEM.

Some students across North Carolina schools have never been exposed to STEM and its possibilities.

#iamICS

DESIGNING A BETTER FUTURE THROUGH STEM

- Ways that **STEM** can be used to shape a better future as we are moving into the 22nd Century

- Analyze what the students want to see change and improve in the future
- Brainstorm how **STEM** can be used to make these improvements happen

#IAMCS Summit 2021
 "Designing A Better Future Through **STEM**" will help discover the barriers that need to be broken in the world with the help of **STEM**

Workshop 1...

HOW STEM & LEADERSHIP RELATE.

#IAMCS Breaking Barriers Summit 2021 Workshop

In an hour and thirty minutes you will learn how STEM can utilize your leadership skills. Additionally, you will participate in a questionnaire to identify your own leadership style. To ultimately, assist you with any leadership position you're in by assisting you in improving your own leadership style. By identifying your strengths and weaknesses, you can grow these attributes to become the best leader possible. No matter what the field you decide to go into, this workshop will provide you information you can utilize for years to come.



Hosted by: Ahmya Rivera

#iamICS
AMCS SUMMIT

MAY
15
2021

JERRY & THE WORLD

FOR ONE SINGULAR HOUR AND THIRTY MINUTES, WE WILL DIVE INTO THE DEEPEST MISCONCEPTIONS AND STEREOTYPES OF THE STEM WORLD, WHERE THEY STEM FROM (PUN INTENDED), THE STATISTICS THAT SUPPORT THOSE MISCONCEPTIONS, AND ALSO HOW TO CHANGE OUR THINKING PATTERNS ABOUT STEM AND IMPLEMENT CHANGE TO ENSURE THAT THE DEMOGRAPHICS OF STEM REFLECT THE DIVERSITY OF THIS NEW, AMAZING GENERATION OF TALENTED PEOPLE! ADDITIONALLY, WE WILL TALK ABOUT THE FUTURE OF STEM, WHICH INCLUDES THIS VERY NEW GENERATION AND THE IDEAS THAT WILL BE THE FOUNDATION OF THE FUTURE OF SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS.

04

Our Next Steps

#IAmCS Summit

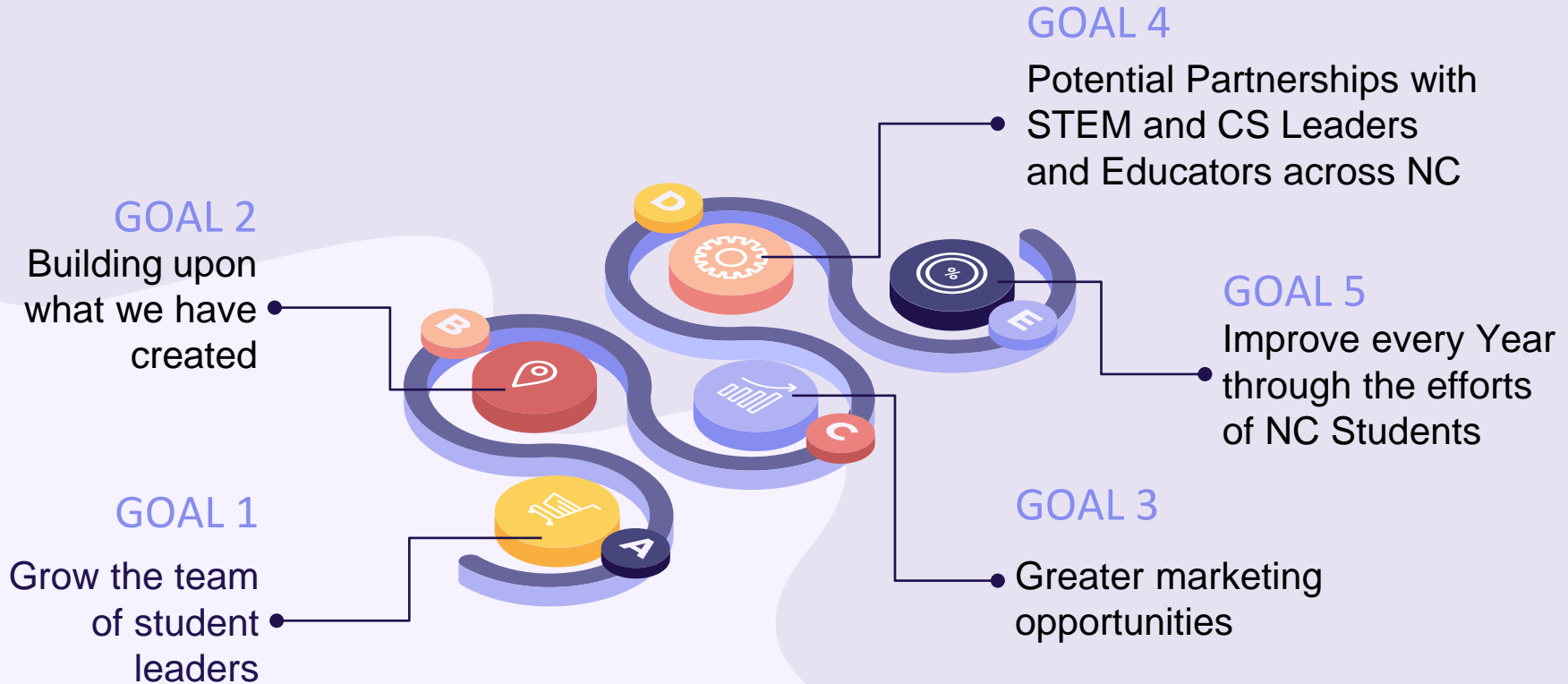


CONTINUING THE SUMMIT



- Will continue as an annual event
- Will continue as a student-led event
- Will encourage summit participants to register for leadership each year

UPCOMING GOALS



IMPACT

- “It’s Not what the future holds for you, but what you hold for the future!”
- Continue to showcase the power within students
- Inspire students to pursue STEM and CS Education, Careers, etc.
- NC students will be able to realize and explore ALL that STEM and CS offers
- We Know: Students are the heart of making the summit possible
- Will Learn: Students are the heart of making CHANGE possible



THANK YOU!

#iam
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