Cross-Age Mentorship

Connecting students through Technology
Intended outcomes for
The Digital Outreach Scholars Program

» To increase STEAM interest and knowledge
» To increase engagement with school
» To increase awareness of jobs in STEAM fields
» To develop the skill of collaboration
» To provide a sense of belonging
HELLO!

I am Dawnn Breynae
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The Digital Outreach Scholars mentorship program is “an example of how to best leverage the gifts and passions of individual students in a school to school learning partnership.” – John Heffernan, Director Central Park School for Children
» CHALLENGES
» STUDENT NEEDS
» PROGRAM NEEDS
» SUCCESSES
Deep Learning requires collaborative relationships

School Admin » Classroom Teacher(s) » Parents » Students »
CHALLENGES

Commitment » Time » Consistency » Technology
Student needs
Train your Mentors
prepare your mentees/Proteges

7 Habits of Highly Effective Teens – Sean Covey
Mentor Goals and Strategies to Achieve

Jules – Creative Circuit Creators

Be fully prepared for zoom sessions and allow them to use the iPads and tools such as Scratch and Zoom to make connections with what they are learning in class in a way that interests them.

What will you do to prepare?

Set aside time specifically to prep and plan lessons for the kids that we think will engage the students the most and get to know the girls I have been working with better so I know what works best for them.

Auten – Byte Bears

Become more skilled at articulating ideas to my elementary partners.

What will you do to prepare?

Test out different methods in zoom (i.e. whiteboard, screen sharing, remote control) and discuss with them what type of learners they are (i.e. auditory, visual?).

Kelly – Cool Coders

My goal is to become comfortable with and capable of teaching the students well. If I really cannot achieve that, I would like to become more involved in the background work, still contributing a lot of work to benefit the students and help fellow digital outreach scholars.

What will you do to prepare?

I will dedicate time to practice teaching with friends, parents, etc. as well as become familiar with the material I plan to teach and/or help the students with. I will have to also work hard in becoming more confident, which will hopefully come along with practice.
Program Needs

Logistics » Computers » Internet access » Curriculum » Project Supplies » Guest Presenters »
Digital Outreach Scholars
Success Stories

Coding » Academic Motivation » Alex Speaks » Mentor realizations » Protege comments
# What Digital Outreach Scholars Say

<table>
<thead>
<tr>
<th>Statement</th>
<th>Description</th>
<th>Impression</th>
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<tbody>
<tr>
<td>Great and enlightening. Helped me feel prepared as a leader later.</td>
<td>Very enriching as I got to work with the kids</td>
<td>It was quite fun.</td>
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<tr>
<td>It was pretty relaxed. I enjoyed looking for projects for the kids.</td>
<td>An enriching experience that propelled me into my current passion for education.</td>
<td>I really liked it! I think there could’ve been a little more organization, but really a great program</td>
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<td>I was surprised at how willing these kids were to learn.</td>
<td>I can’t remember too much from it but I know it was a positive one! The students were fun to teach.</td>
<td>I learned that children can be very good workers if you give them a task</td>
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<td>I learned technology can be hard to grasp and it is important to support others when they are learning.</td>
<td>I learned how to coordinate big events and how to be a mentor/example while learning as well.</td>
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<td>I learned that younger students are more inclined to look up to older students rather than adults.</td>
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<td>I learned the importance of patience.</td>
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<td>I learned that I love working with students and I love teaching about STEM topics.</td>
<td>Most kids like to learn, but finding what makes that possible can be a process. Some can see a method and understand, others need different tools and presentation to be able to succeed.</td>
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<td>I learned that I enjoy teaching children, but not enough to pursue a career in education</td>
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Danny—“It was really fun! I liked the Makey Makey Journey the most. I like touching the bananas and I like the obstacles the most.”

Meredith—“I thought it was really really really fun! I really liked the Makey Makey thing with all of the different worlds. I really like touching the bananas. I really like google cardboard because you could see different things. It felt real. And it was cool learning about all of the different animals and tapping on them...we got to learn in a very cool way.”

Aslan—“I like the green room because we were able to dress up and be the famous person. I studied JK Rowling and my background was really just like the world of Harry Potter. I also liked the makey makey and google cardboard too.”

Darius—“It was terrific!!!! I liked the fitness and the virtual reality with google cardboard. In the gym we could jump rope and I really like jumping on the odd numbers.”

Henry—“My favorite was jumping on odd numbers in the gym. I enjoyed it and I did it a couple of times. My second favorite was google cardboard because it was sorta like a video game.”
Proteges Speak

John Stanely
“Google cardboard was the best! I think google cardboard was very fun, because I like clicking on the animals and learning about them. Next time I'd like to walk with the animals. I also think next time there should be a active part where you have to catch or chase something in the google cardboard world. It was fun, but next time it would be great to make it more challenging.”

Charlotte
“My favorite was the Makey Makey Journey. I liked the worlds and the bubble machine in the underwater world. And I liked the google cardboard. It was neat the was when you moved you could see different parts of the place.”
More from proteges . . .

Motivate us to do our best.
Engage us in fun activities.
Notice when we are doing well.
Teach us new technology.
Offer advice.
Reteach core curriculum skills.

By: Zanaya Hodges

Three words I can describe my mentor, Andrew is.
1. Andrew is helpful when I’m stuck.
2. Andrew informs me of useful information.
3. And finally, Andrew makes his activities fun.

And these are my three words that I describe my mentor Andrew.
By: Pablo Villas
Students are more inquisitive and engaged. They have developed interpersonal relationships and felt an increased sense of confidence when it comes to computer science and math this year. My class this year scored higher in math than they did in reading, which is unusual for the history of my class. I think it is in part due to this program.

Chanel Carroll
13 year veteran teacher
Cross-Age Mentorship Benefits

Outreach Scholars
- Develop Leadership Skills
- Communication skills
- Research
- Sense of community
- Giving back
- Role Model

Proteges
- Inspiration
- Motivation
- Curiosity
- Confidence
A look back...
Resources for Mentorship and STEM
THANKS!

Any questions?
You can find me at breynae@ncssm.edu

Developing paths for (minority) students to become economic drivers through STEAM fields.