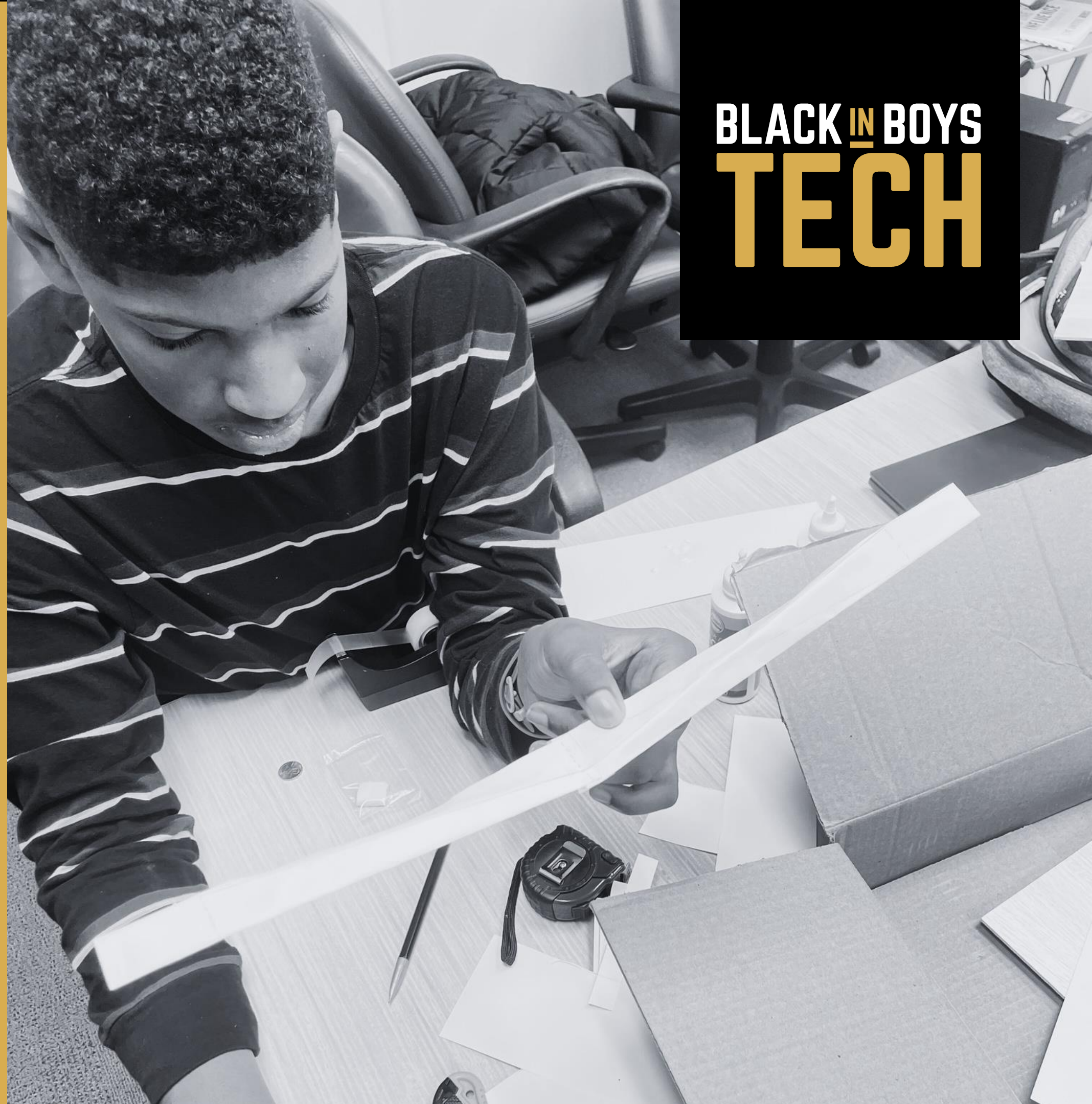


# Healthy Neighborhoods Committee Meeting

On the invite of the Office of Vice  
Mayor Jan-Michele Lemon Kearney

[www.blackboysintech.org](http://www.blackboysintech.org)

BLACK IN BOYS  
TECH



# TODAY'S AGENDA

- ABOUT US

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- OUR PROGRAMS & SITES

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- OUTREACH & COURSES

---

- OUR PROGRESS

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- STUDENT WORK SAMPLES

---

- QUESTIONS

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# ABOUT US



## MISSION

Close the racial-wealth gap and transform marginalized communities through STEM talent development.

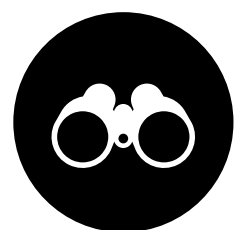
## AREAS OF FOCUS

STEM Skill Development | College & Career Readiness | Empowerment

## PROGRAMS

Early Explorers | Explorers | AVIATE | BBIT University

# OUR PROGRAMS



## EARLY EXPLORERS

### PURPOSE

To build STEM awareness and early STEM literacy skills, and to explore STEM learning spaces.

### AUDIENCE

Age: 7-9                      Grade: 1st-3rd

### REACH

Year 1: 150                      Year 3: 450

### SITES

School sites: 25                      Community Sites: 5



## EXPLORERS

### PURPOSE

To build foundational STEM knowledge and skills, and begin to develop STEM identity.

### AUDIENCE

Age: 10-12                      Grade: 4th-6th

### REACH

Year 1: 60                      Year 3: 180

### SITES

School sites: 7                      Community Sites: 5



## AVIATE

### PURPOSE

To apply knowledge of STEM through experiential learning and to explore STEM careers paths.

### AUDIENCE

Age: 13-15                      Grade: 7th-9th

### REACH

Year 1: 60                      Year 3: 180

### SITES

School sites: 7                      Community Sites: 5



## BBIT UNIVERSITY

### PURPOSE

To prepare for college and career through internships, certificates, and dual-enrollment.

### AUDIENCE

Age: 16-18                      Grade: 10th-12th

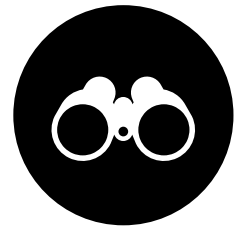
### REACH

Year 1: 45                      Year 3: 135

### SITES

School sites: 6                      Community Sites: 2

# OUR SITES



## EARLY EXPLORERS

Chase Elementary School  
North Avondale Montessori  
Parker Woods Montessori  
Pleasant Ridge Montessori



## EXPLORERS

North Avondale Mont.  
North College Hill Elementary



## AVIATE

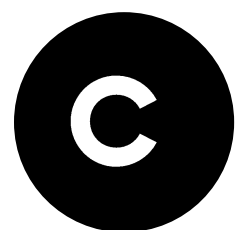
Aiken Middle School  
Hughes Middle School  
Withrow Middle School  
Woodward Mille School  
Mt. Healthy Middle School



## BBIT UNIVERSITY

Dohn Community Schools  
Others Launching in Fall 2024

# OUR OUTREACH



## TECH CAMP

### PURPOSE

To provide a space for summer STEM learning, and to prepare students for the upcoming school year.

### AUDIENCE

Age: 7-15      Grade: 1st-9th

### REACH

Year 1: 250      Year 3: 750

### SITES

School sites: 6      Community Sites: 0



## GENERAL MEMBERSHIP

### PURPOSE

To provide STEM expose and career preparation for students outside of BBIT parter sites.

### AUDIENCE

Age: 10-15      Grade: 4th-9th

### REACH

Year 1: 100      Year 3: 305

### SITES

School sites: N/A      Community Sites: N/A



## PARENT ENGAGEMENT

### PURPOSE

To build STEM awareness and the confidence to engage one's child around STEM learning.

### APPROACH

Quarterly workshops, volunteer opportunities

### REACH

Year 1: 30      Year 3: 450



## VOLUNTEER ENGAGEMENT

### PURPOSE

To bring real-world perspectives and expert insight into the learning experiences.

### APPROACH

Volunteer with site programs and outreach

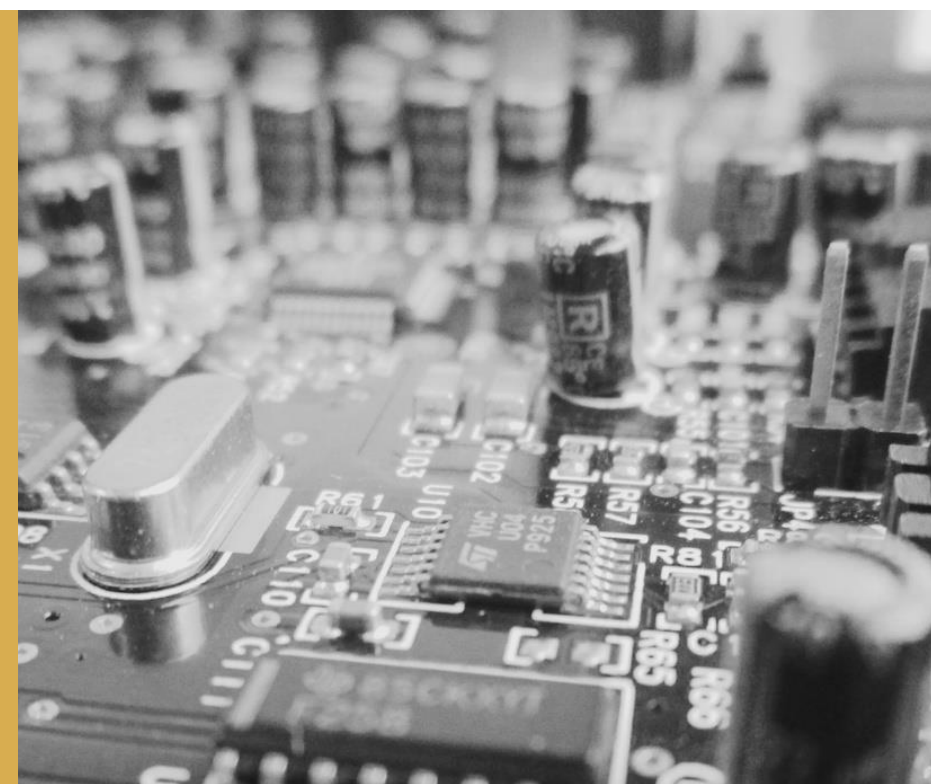
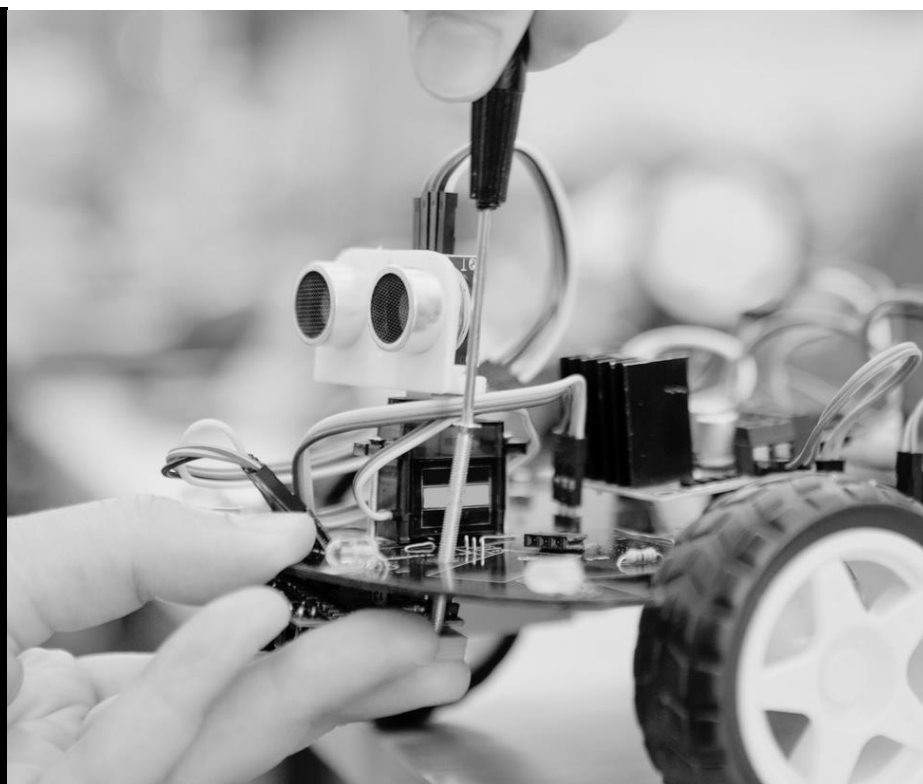
### REACH

Year 1: 64      Year 3: 192

# COURSE CATALOG

## COMPETITIVE ROBOTICS COURSE

The BBIT Competitive Robotics course seeks to provide middle school students with a comprehensive understanding of robotics using VEX IQ, covering both theoretical concepts and practical skills. Each lesson is structured to maximize engagement and hands-on learning... **Continue for more...**

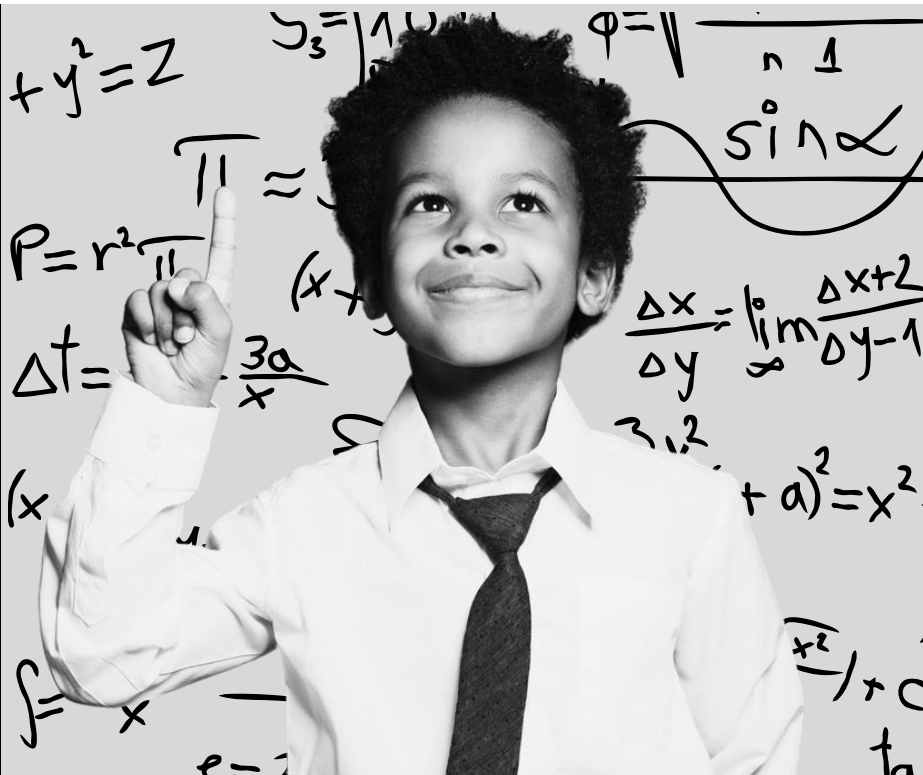


## INTRO TO ENGINEERING TECHNOLOGY

The Introduction to Engineering Technology course by Black Boys in Tech aims to provide elementary school students with a well-rounded introduction to the engineering and technology fields, incorporating hands-on activities and practical applications. **Continue for more...**

## COLLEGE AND CAREER READINESS (ELECTIVE)

The Black Boys in Tech College and Career Readiness course aims to introduce students to essential skills and knowledge necessary for future success in both college and various career paths. The course covers topics such as self-awareness, goal setting, communication... **Continue for more...**



## GAME DEVELOPMENT COURSE

The Black Boys in Tech Game Development Course has two tracks, Elite (4-6th grade) and Advance (7-9th grade). The Elite Game Dev track is designed to introduce elementary school students to the fundamentals of game development using Roblox Studio. **Continue for more...**

# INTRODUCTION TO ENGINEERING TECHNOLOGY



Mr. Gabe is a Application Engineer at BriskHeat Inc., a leading manufacturer of customized heating solutions. Mr. Gabe received his BS in Mechanical Engineering from the University of Dayton and served as an intern for the NASA Goddard Space Center after he graduated. In the Fall of 2023, Mr. Gabe taught an Introduction to Aviation course at Black Boys in Tech. This course featured hands-on projects that enabled students to explore the field of aviation.

**Gabriel Gaiusbayode**  
Engineering Technology Instructor

## COURSE DETAILS



**Grades:** 4-6th  
**Format:** Hybrid



**Virtual:** Mon & Wed  
**In-person:** Saturdays



**Virtual:** 5-7:30pm  
**In-person:** 10am-3pm



# COMPETITIVE ROBOTICS

## (BBIT ROBOTICS TEAM)



Mr. Paudel is a current student at the University of Cincinnati pursuing a BS in Computer Science. He has expertise in various programming languages such as python, C++, and JavaScript. In Spring 2024, Mr. Paudel will lead BBIT's robotics programs including Intro to Robotics at Dohn Community Schools and Competitive Robotics Course for BBIT General Membership. He will also serve as a chair and coach for BBIT's robotics team.

**Deeparson Paudel**  
Robotics Instructor

## COURSE DETAILS



**Grades:** 7-9th  
**Format:** Hybrid



**Virtual:** Tues & Thurs  
**In-person:** Saturdays



**Virtual:** 5-7:30pm  
**In-person:** 10am-3pm

# GAME DEVELOPMENT

## (ELITE & ADVANCE)



Mr. Dwan is a professional software developer with extensive experience game development, from scripting to animation. He earned his BS in Game Art & Design at The Art Institutes and went on to master JavaScript, C#, Python, and other programming languages. In Fall 2023, Mr. Dwan served as the Game Development Instructor for BBIT, teaching students the fundamentals of Object-Oriented Programming (OOP) as well as Game Dev techniques and concepts.

### LaDwan Hester

Game Development Instructor

## COURSE DETAILS



**Grades:** 4-9th  
**Format:** Hybrid



**Virtual:** Tues & Thurs  
**In-person:** Saturdays

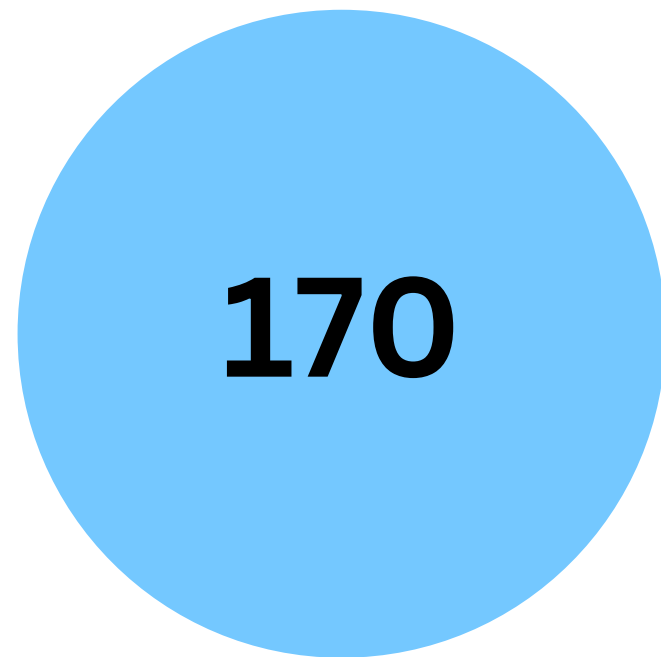


**Virtual:** 5-7:30pm  
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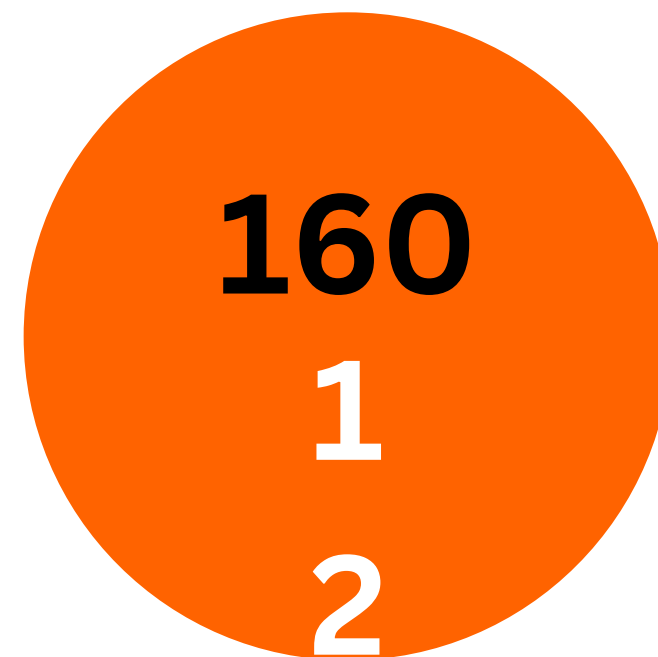
# OUR PROGRESS



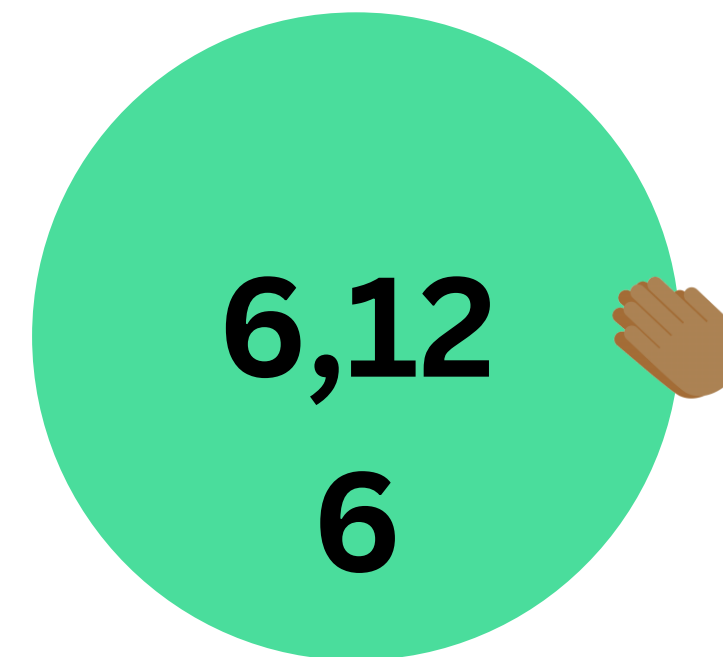
Year Established



Members YTD



Members YTD  
New Sites

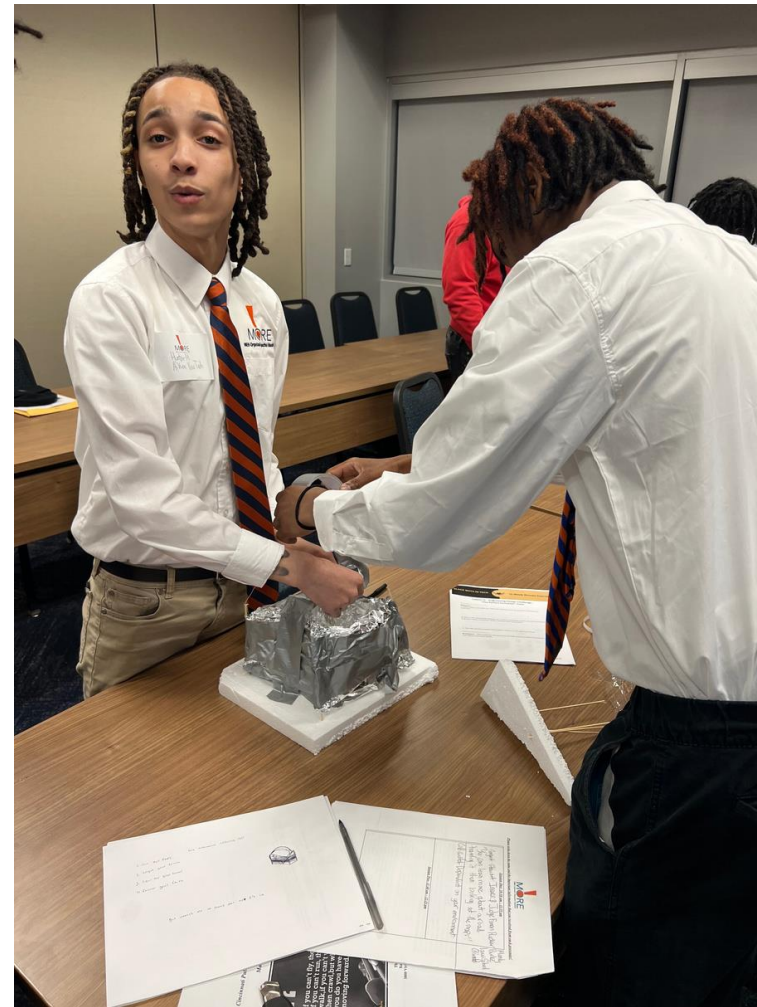
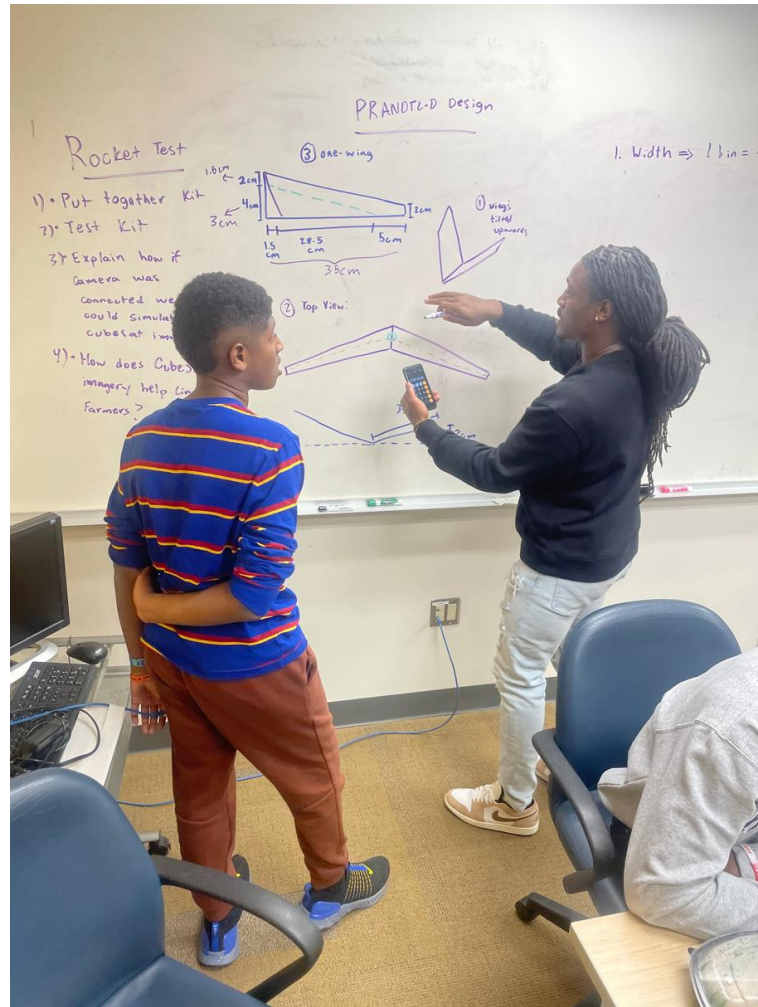


STD Hrs YTD

# WORK SAMPLES



# WORK SAMPLES



**QUESTIONS?**