

# Metro Warriors STEM Organization



# Metro Warriors STEM Organization

## *Contact Us*

Randy B. McCain Jr

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World Education Center @ National Christian Academy

6701 Bock Rd.

Fort Washington Md. 20744

*Mission Statement: Expose underrepresented minority youth to  
STEM activities early and often.*



Train  
In the

## ABOUT Founder



- A native Washingtonian who graduated from McKinley HS and attended the University of the District of Columbia majoring in Electrical Engineering and University of Maryland in Hanau, Germany. Obtained over 25 years of formal and hands-on education through military training and professional Engineering experience in voice, data wireless and wire line telecommunications. Randy has taught robotics, managed programs, competitions and exhibits in various schools, communities and organizations in the Washington DC area over 6 years.





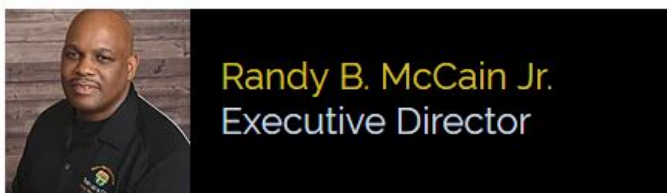
# Operations Manager

- Brenda McCain is a native Washingtonian who graduated from McKinley Technical High School. Furthermore, Brenda continued her education at the University of Maryland College Park graduating with her Bachelor of Science Degree in Computer Science Information Systems and currently enrolled at the University Of Maryland University College pursuing her Master Degree in Cyber Security Policy. Brenda is the backbone of MWSO running the administration duties of the entire operation. She is the bridge between the Executive director and the organization.

# Leadership

## LEADERSHIP

MWSO is blessed to have some of the most accomplished professionals who volunteer time, effort and passion around giving back to our community. Each coach has been vetted via MWSO coaches policy and have proven themselves to be the right candidates for the job at hand



Randy B. McCain Jr. Randy has taught robotics, managed programs, competitions and exhibits in various schools, communities and organizations in the Washington DC area over 6 years. [Read More....](#)



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**Metro Warriors STEM**



# Our Team Elementary

## COACHES

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### Elementary School



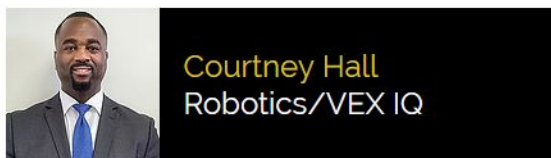
**Christina Brown, M.Ed.**  
Math

Elementary and Middle School Math Tutor- Christina Brown is from Washington, D.C. She earned a Bachelor's of Science degree in Elementary Education from Lincoln University of Pennsylvania, and a Master's of Education degree in Curriculum and Instruction [Read more...](#)



**Yvette Selby**  
Future City/ Jr. FLL

is an Environmental and Chemical Engineer who attended Northwestern University (BS) and Howard University (MS). She's a branch chief in the Environmental Protection Agency's Office of Chemical Safety and Pollution Prevention. [Read more...](#)



**Courtney Hall**  
Robotics/VEX IQ

has been involved with MWSO since 2016, after enrolling his children in the robotics program. He became impressed with the Organization, its vision, and the passion of its founders and decided to help as a parent volunteer [Read more...](#)



**Dyara Henderson**  
Reading/Epic

Dyara Henderson is from Adelphi, Maryland. Ms. Henderson attended City College of New York and holds a Master's of Christian Education degree from Regent University. [Read more...](#)



**Adrenne Johnson**  
Reading/Essay/language  
Arts

CEO and Tutor I have been educating students for 21 years. I have worked with students on the elementary, middle, and high school level specializing in literacy instruction. [Read more...](#)

**Metro Warriors STEM**



Train up a Child  
In the Way he shall go

# Our Team Middle School

## Middle School



**Lateba Ponder**  
Robotics/VEX IQ Head  
Coach

Ms. Ponder has been an instrumental part to developing the VEX IQ program. She started a parent who did not think she could help but has become a great teacher/coach and has lead numerous classes, competitions and exhibits. [Read more...](#)



**Wesley Minter**  
Robotics/VEX IQ Asst.  
Head Coach

Mr. Minter is a dynamic manager with over twenty-five years of formal training and experience in the field of Information System Management, which includes Information Assurance, Network Security, Network Architecture Design, and Configuration Management. [Read more...](#)



**Jumoke Ademoye**  
Robotics/VEX IQ



**Wendell Bates**  
Robotics/FLL

Born, raised, and educated in Washington, D.C., Wendell V. Bates is a graduate of McKinley Technical High School and Howard University, B.A., J.D., He currently lives and practices law in Prince George's County, Md. From law to robotics? [Read more...](#)



**Dr. Cynthia Sutherland**  
Cyber Security/Computer  
Networks

Dr. Sutherland is an international cybersecurity advisor, consultant, and educator. She currently serves as Senior Cybersecurity Analyst for the Joint Staff and U.S. Representative and Global Chair of the Multinational Security Accreditation Board for over 15 countries. [Read more...](#)



**Yvette Motley , EDS**  
Robotics/FLL

Yvette Motley has been an Educator for over 18 years in Prince George's and Charles County Public School systems. Currently, Mrs. Motley is a Middle School Math Teacher in Charles County Public Schools. Mrs. Motley started out as a parent volunteer as her two sons have been a part of the Metro Warriors STEM Organization for the past seven years.. [Read more...](#)

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# Our Team High School

## High School



**Maria Stanfield**  
Professional  
Development/CCR

Maria Stanfield is the Director of Administration at the Virginia office of Pillsbury Winthrop Shaw Pittman LLP, where she leads and manages more than 60 lawyers and over 70 professional staff members...[Read more....](#) [Read more....](#)



**Jody Mitchell**  
Professional  
Development/CCR



**Dr. Samuel Odenyo**  
MATH/SAT/ACT



**Josh Wade**  
Robotics/ VEX EDR

Joshua Wade competed in the VEX Robotics Competition in high school, participating in the 2010 and 2011 World Championships. He also had the opportunity to complete two summer internships at VEX Robotics Inc. [Read more....](#)



**Fitzgerald Johnson**  
Robotics/VEX  
EDR/Head Coach

Fitzgerald Johnson (Fitz) is from Gulfport, Mississippi. After High School, he joined the US Army to be all he could be where he jumped out of perfectly good airplanes and traveled. [Read more....](#)



**Corliss Johnson**  
Robotics/VEX  
EDR/Assist Head  
Coach

Corliss Johnson (CJ) is from Gulfport, Mississippi. After high school, she joined the US Air Force where she retired after 30 years of service. She has a Master's Degree in Business and Organizational Security Management. [Read more....](#)

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# Our Why

- My Family





# ABOUT MWSO

- Metro Warriors STEM Organization (MWSO) was birthed from a subdivision of Metro Warriors Youth (MWYO) in Washington DC who serves youth in Sports, Health, Fitness and STEM. MWSO officially began in 2013 as a Chapter of the National Society of Black Engineers (NSBE JR.). MWSO a unique Science, Technology, Engineering, and Mathematics year round project based program designed with a mentoring, competition, coaching and professional development component. We started with 5 members in 2011 and 2017-2018 registrations were over 150.
- Our goal is to expose under representative youth (K-12) to STEM activities, learning programs and competitions early and often.

## **What we do**

- MWSO provides yearlong summer, after-school and weekend STEM programs that caters to youth (ages 6-17) in the Washington DC metropolitan area. MWSO headquarters located at the National Christian Academy, 6700 Bock Road, Fort Washington, Maryland. Classes are administered weekly in the District of Columbia Public Schools (DCPS), private schools in Maryland, Prince George's County and in after-school programs in nontraditional venues.

# Locations Served

MWSO is serving multiple after school, weekend, summer and workshops in traditional and nontraditional venues. Each program has the ability to put together a competition team internally and links to local, regional and national programs or event world-wide exposure

1. Daniel Alexander Payne Community Development (CDC) Metropolitan AME Church 1518 M St NW Washington, DC
2. National Collegiate Preparatory High School 4600 Livingston Rd SE, Washington, DC 20032
3. Ludlow-Taylor Elementary School 659 G St NE, Washington, DC 20002
4. Maury Elementary School 1250 Constitution Ave NE, Washington, DC 20002
5. Youth Services Center 1000 Mt Olivet Rd NE, Washington, DC 20002
6. Achievement Preparatory Academy 908 Wahler Pl SE, Washington, DC 20032
7. Bishop John T. Walker School For Boys 3640 Martin Luther King Jr Ave SE, Washington, DC 20032
8. Latin American Montessori Bilingual Public Charter School 1375 Missouri Ave NW, Washington, DC 20011
9. Latin American Montessori Bilingual Public Charter School South Dakota and Perry Street N.E. DC
10. National Christian Academy 6701 Bock Road Fort Washington Md. 20744
11. Grace Brethren Christian School 6501 Brand Ct, Clinton, MD 20735
12. Riverdale Baptist 133 Largo Rd, Upper Marlboro, MD 20774
13. United Christian Fellowship 651 Saybrooke Oaks Blvd, Gaithersburg, MD 20877
14. Community Services Foundation Rockville Md.
15. Community Services Foundation Brookland Manor DC.
16. United Christian Foundation Gaithersburg. MD
17. Cora Kelly School for Math Science and Technology 3600 Commonwealth Ave, Alexandria,
18. National Collegiate Preparatory High School 4600 Livingston Rd SE, Washington, DC

# MWSO 1<sup>st</sup> NSBE Convention 2012



Our Bus



Our Hotel



Our Team







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# 2<sup>nd</sup> NSBE convention 2013

#NSBE2013: Honoring Our Past  
**DRIVING OUR COMMUNITY  
FORWARD**

**39th Annual Convention**  
March 27 – 31, 2013  
Indiana Convention Center

**REGISTER NOW**







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# The Bus

SAVE THE DATE!

**'NSBE40: Engineering and  
Leadership in Harmony'**

March 26–30, 2014

Nashville, Tennessee  
[www.nsbe.org/convention](http://www.nsbe.org/convention)

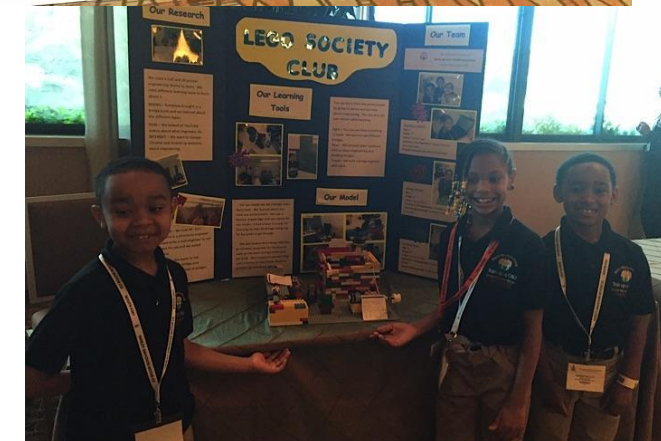




# Our 4<sup>th</sup> NSBE 2015 Convention



**53 Students  
and Parents**





# 5<sup>th</sup> NSBE 2016 Convention

**NSBE 42<sup>ND</sup> ANNUAL CONVENTION**  
**ENGINEERING A CULTURAL CHANGE**  
BOSTON, MASSACHUSETTS | MARCH 23 - 27, 2016



86 in attendance

# 2018 Current Convention

150 Students/Parents attending



**Metro Warriors STEM**



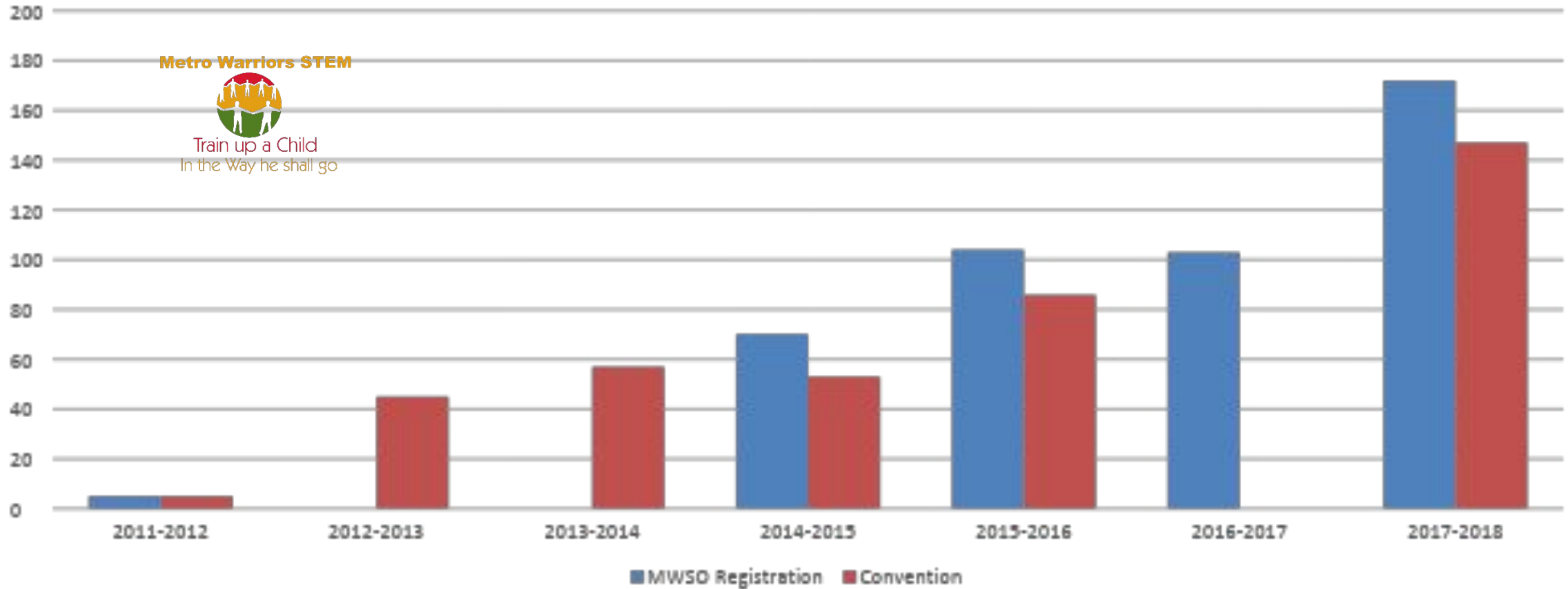
Metro Warriors STEM Organization





# Year to date growth

MWSO Registration + Convention Numbers



# Services

Below are fee based services that MWSO offers for your STEM requirements. MWSO also provides our full service VEX IQ trailer ready for competition and delivered to your location. Click on Book now to get more details. Other MWSO services are After school STEM programs at your facility for your specific requirements. MWSO has provided after school programs for over 17 locations in the DMV for over 3 years.

We can host these workshops at our location or bring them to your doorstep. Our raining are designed to fuel a cultural shift around STEM teaching and learning. Learn more! See our program inquiry to request a consultation about your program needs.

Below are some of the workshops or Boot camps that can be performed

- Professional Development
- College Prep
- Robotics
- Math tutoring
- SAT/ACT
- RC STEM
- Girl Powered Events

**REGISTER NOW!**

Metro Warriors STEM Organization



VEX IQ COMPETITION  
TRAILER RENTAL

72 hr | \$450.00

[Book Now](#)



AFTERSCHOOL STEM

1 hr 30 min |  
Customized classes

[Book Now](#)



PROFESSIONAL  
DEVELOPMENT

2 hr | Prices May Vary

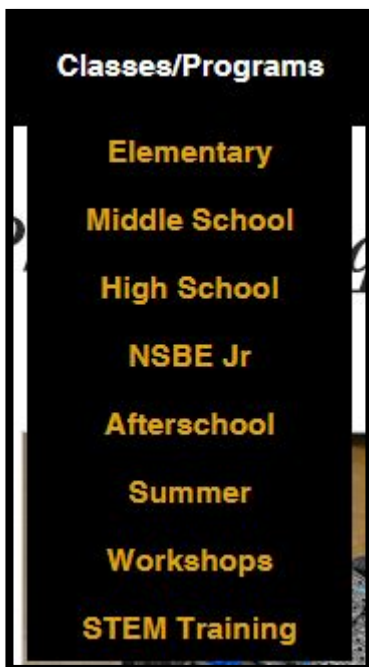
[Book Now](#)

# MWSO Programs/Classes

**VEX-IQ**  
**Elementary**  
**Middle**

**Reading /**  
**Math Tutoring**

**Jr. FLL**



## Program Inquiry

Login



*Afterschool or Weekend  
Program*

1 hr 30 min | Call for Price

Book It



*STEM Workshop*

1 hr 30 min | Call for Price

Book It



*STEM Training in  
Robotics*

1 hr 30 min | Call for Price

Book It

**RC STEM**

**SAT/ACT Prep**

**VEX VRC**

**FLL**

**Cyber Security**

**Professional Development**

# Major Events 2017-2018

## National Competitions

## Community Service Projects

Event	Audience	Location
MWSO OPEN HOUSE	<b>ALL Invited</b>	National Christian Academy 6701 Bock Road Fort Washington Md
DC League Kickoff Meeting	Middle and Elementary School	Washington Tennis and Education East Capitol Campus 200 Stoddert P SE, Washington, DC 20019
GIRL POWERED CYBER WORKSHOP	GIRLS ONLY 10-17	National Christian Academy 6701 Bock Road Fort Washington Md
Scrimmage VEX IQ	Middle and Elementary School	National Christian Academy 6701 Bock Road Fort Washington Md
RC Ten80	ALL Students/Parents	National Christian Academy 6701 Bock Road Fort Washington Md
<b>DC VEX IQ League Tournament Game 1</b>	Middle and Elementary School	Deal Middle School 3815 Fort Dr NW Washington, DC 20016
RC Invitational	Middle and High School All Invited	WillPower Sport & Wellness 10719 Indian Head Hwy Fort Washington, MD. 20744
<b>DC VEX IQ League Tournament Game 2</b>	Middle and Elementary School	A.M.E Church 1518 M. Street N.W. Washington D.C.
MD VEX IQ State Qualifier	Middle and High School	6701 Bock Road Fort Washington Md. 20744
<b>DC VEX IQ League Tournament 3</b>	Middle and Elementary School	Friendship Public Charter School: Wood ridge Elementary 2959 Carlton Ave NE. Washington DC.
VEX VRC Championship	Middle and High DC teams	Armstrong Friendship Charter School Behind Dunbar HS in DC
DC VEX IQ League Championship	Middle and Elementary School	Washington Tennis and Education East Capitol Campus 200 Stoddert P SE, Washington, DC 20019
<b>National Society of Black Engineers 44th Annual Convention</b>	<b>ALL Invited</b>	<b>NSBE's 44th Annual Convention March 21-25, 2018  Pittsburgh, PA</b>
Workforce Development @ USA Science Fair Demo	VEX IQ and VRC team	Washington Convention Center Ballroom
MWSO Annual Banquet	ALL Invited	National Christian Academy 6701 Bock Road Fort Washington Md
RC STEM & Robotics Class	All Ages	Gaithersburg Md.
VEX IQ robotics Class	Middle and Elementary	1518 M. Street Washington DC
Computer Build and take Home	High School	1425 14 street N.E Washington DC.

## Mock Interviews

## Web and Local Races

## Reading Competitions



# Support Programs

Received well over 1 million in donated computers, TV's, Monitors, Toners office equipment

