

# DRONES ARE COMING!



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

## Fall Series

### The Latest Events

#### Vision Builder Adventures



*This email is being sent to all associates, and friends of Vision Builder Adventures.*

This E-news Blast will be sent throughout the year making you aware of past activities and future events.

### Don't forget to add STEM to your curriculums next spring and summer:

The school year has started. We have started fall programming. We are starting to schedule STEM class projects for Enrichment Programs for the Spring and Summer. The following class projects will be in Mecklenburg and surrounding counties. Classes will include:

- Introduction to Rocketry Program
- Exploratory Robotics Program
- Basic & 101 Aerodynamics
- Exploring structure & design

We still have the following classes in session as well:

- Leadership 101
- The Power of Choices
- Rediscovering America classes



**DRONES Classes are coming in 2016!** Drone classes will start April 2016. Your kids will have a blast. We are starting to schedule STEM class projects for Summer Camps across the state.

### VBA KID CLUBS COMING IN 2016

We will be starting kids clubs in 2016. The kids clubs will have the following classes.

- Introduction to Rocketry Program
- Exploratory Robotics Program
- Basic & 101 Aerodynamics
- Exploring structure & design
- Leadership 101
- The Power of Choices



- Rediscovering America classes

## **“Speak up Program” Teaching Youth how to be heard! 9- week program**




*Some Event pictures 2015*

As part of our curriculum, students are asked to make speeches or presentations in front of their classmates and teacher. Many children find the prospect of speaking in front of a group of people to be quite nerve-wracking. It has even been suggested that the reason why so many adults have a fear of public speaking is because they never learned how to feel comfortable in front of a crowd as children.

In our 9-week program your kids will learn the following.

- Communicating with ease - interpersonal and formal
- Overcoming the fear of speaking / overpowering nervousness
- Preparing and structuring a speech - Introduction / Body and Conclusion
- Learn to project your voice - with correct voice modulation and control
- Controlling pauses and fillers (ahs and umhs)
- Speaking enthusiastically and projecting your voice
- Tips on practicing your speech
- Gain experience and expertise by speaking in front of the group
- Build confidence
- Special session on participating in debates

With the proper preparation, your youth can stand and deliver a speech with the best of them.

 Go to [www.visionbuiders.org](http://www.visionbuiders.org) to see additional pics of events and classes.

## 2015 STEM Programming: "Sign your Youth organizations up today"



Some class pictures.

### About the VBA STEM Program

VBA serves to inspire kids through the exploration of science, technology, engineering, and mathematics. (STEM) Through our hands on activities, kids explore, ask question, persist and solve problems. By interacting and working with people in STEM careers, kids come to view these careers as exciting and realistic options for themselves. VBA STEM is an approach that each organization can apply to its own programming. VBA may also implement one or more of the following components that have been built around the VBA STEM philosophy. (Dare to Dream)

VBA STEM- Our STEM classes are project based student- centered learning. This program introduces kids ages 10-17 with professions in STEM fields. We help plan and deliver a project program that encourages kids to think like scientists.

## LEGO MINDSTORM ROBOTICS

In the Lego Mindstorm Robotics Class. The kids will explore Robot design and functionality, by building and programming the LEGO MINDSTORM NTX. This class is an advanced level programming class, so the Exploratory Robotics class should be taken first. There is also an age requirement. Relevant Videos and displays will be shown.(For ages 11-13)(Duration of class 4 hours)



## EXPLORATORY ROBOTICS CLASS

In the Exploratory Robotics class: The kids will learn; the basics of Robotics, basic programing, and applied mathematics. They will also learn what makes up a robot. For Example: Kids will collect data and track and plot the results. Relevant Videos and displays will be shown.

(For ages 9-11)(Duration of class 1 hour)



## UNDERSTANDING AERODYNAMICS

In the Aerodynamics 1& 2 Class. The kids will learn about Aircraft and flight. Kids will learn about the 4 forces of flight, how planes fly, and the parts of the airplane. (For ages 6-13)(Duration of class 1 hours)



## EXPLORING STRUCTURE & DESIGN

In the structural design class: The kids will learn; the basics of engineering, thru structural design, and applied mathematics. In this class the kids will build cars out of clay. For Example: Kids will design and to build their cars as a team, and compete against other teams. Relevant Videos and displays will be shown. (For ages 9-13)(Duration of class 3 hour)

### 2016 Black History Month VBA Program: "Sign your Youth organizations up today"



Event picture 2015.

Classes include:

- **Eras' of African American History (EAAH)-**

In the EAAH class: We will look through the timeline of African American history. We will look at the different Era's from the Atlantic Slave trade to the present. We will also look at outstanding African leaders during the ERA's. Relevant Videos and displays will be shown. (For ages 11-16)(Duration of class 1 hour)

- **Eras' of African American History Class Project (EAAHP)-**

In the EAAHP project based class: We will look through the timeline of African American history. The student will research the different Era's from the Atlantic Slave trade to the present. They will also present their discoveries. Relevant Videos and displays will be shown. (For ages 11-16)(Duration of class 4 hour)

- **African American Freedom Leaders(AAFL)-**

As we look thru Black History today we tend to always focus on the achievement of African Americans, but we never really focus on the sacrifice. When it's the achievement through sacrifice that gave us the power of freedom. In the AAFL class we look at outstanding African American Leaders and their sacrifices for freedom. Relevant Videos and displays will be shown. (For ages 11-16) (Duration of class 1 hour)

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Special Thanks to The Vision Builder Adventure partners, you are making an impact.

## Coming soon! UNLEASH Spring 2016



Some UNLEASHED Event photos for 2016.

Some upcoming events and classes include:

### **January 2016**


- **Spring programming begin**, Mecklenburg and surrounding Counties.
- **Kids Club Monthly STEM programming begin**, Mecklenburg and surrounding Counties.
- **9-week “Speak up Program”**, Mecklenburg and surrounding Counties.

### **February 2016**

- **African-American Studies programming begin**, Mecklenburg and surrounding Counties.

### **March 2016**

- **Synergy Conference 2016”**, Wake County.
- **Joe Gibbs Racing Experience**, Mecklenburg and surrounding Counties.

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