



Happy Holiday 2014

www.visionbuilder.org

“ROBOTICS”

New STEM classes for 2015
The Latest News

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.

2014 Classes still in session: "Sign your Youth organizations up today"

We still have the following classes in session:

- Leadership 101
- Goal Setting 101
- The Power of Choices
- Rediscovering America/American Revolution
- Exploratory Rocketry Program



Next Year, Vision Builder will be expanding there **STEM** program classes. We will be introducing two “Robotics classes”. Classes will begin in Mecklenburg and surrounding counties. Classes will Include:

- Exploratory Robotics Program
- Lego Mind storm Robotics Program
- Understanding Aerodynamics
- Exploring structure & design w/Lego's

Exploratory Robotics class: "Sign your Youth organizations up today"





Go to www.visionbuilder.org to see additional pics of events and classes.



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 3 hours)

EXPLORATORY ROBOTICS CLASS

In the Exploratory Robotics class: The kids will learn; the basics of Robotics, basic programming, 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 9-10)(Duration of class 1 hour)



UNDERSTANDING AERODYNAMICS

In the Aerodynamics Class. The kids will learn about Aircraft and flight. Kids will learn about the 4 forces of flight, the breaking of the sound barrier, and they will build a glider. (For ages 11-13)(Duration of class 2 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 structures out of Lego's. For Example: Kids will read blueprints to build structures, and lifts with working pulleys. Relevant Videos and displays will be shown.

(For ages 9-10)(Duration of class 1 hour)

Sign your Youth organizations up today! Go to www.visionbuilder.org to schedule (or) for more info.

2015 Black History Month VBA Program: "Sign your Youth organizations up today"



Event picture 2014.

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 11-13)(Duration of class 1 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 11-13)
(Duration of class 1 hour)

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