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Classes this year are in session and will include:   * Exploratory Robotics Program * Lego Mind storm Robotics Program * Understanding Aerodynamics * Exploring structure & design * Buoyancy/Displaced water * Exploratory Aeronautics Program * Aeronautics Design * Forensic Science * Understanding Electricity   Go to our website for more information. Please also consider sponsoring new students.  Check out our latest STEM video: <https://www.youtube.com/watch?v=gYV-iMf13vc&sns=em> | | | **2017 Class Projects: "Sign your Youth organizations up today"** | | Vision Builder has expanded their **STEM** program classes. The following Class Projects have begun in Mecklenburg and surrounding counties. Classes on the coast will start in June. Classes will Include:   * Exploratory Robotics Program * Lego Mind storm Robotics Program * Understanding Aerodynamics * Exploring structure & design * Buoyancy/Displaced water * Exploratory Aeronautics Program   We still have the following classes in session as well:   * Leadership 101 * Goal Setting 101 * The Power of Choices * Rediscovering America classes | | **Exploratory STEM class Projects: "Sign your Youth organizations up today”** | | [Reminder](https://my.advisor-connection.com/infomax/defaultchanneldirector.aspx?path=/resources/conference_call_calendar/ics/070114_summer_series.ics) Go to [www.visionbuider.org](http://www.visionbuider.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 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 9-10)(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. 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**](http://www.visionbuilder.org) **to schedule (or) for more info.**   |  | | --- | | **2017 African American History classes: "Sign your Youth organizations up today”** |     *Jackie Robinson, Bessie Coleman, Fredrick Douglas, Booker T. Washington, Madame CJ Walker.*  Special thanks to all organizations who participated in our Black History Month programs.   * Please note, we teach Rediscovering America classes all year round.  |  | | --- | | **Some 2017 upcoming projects: "Sign your Youth organizations up today”** |     *Special Events for 2017.*  Spring Projects include:  **March, April, May**   * **Monthly STEM programming,** Mecklenburg and surrounding Counties. * **Monthly programming,** Mecklenburg and surrounding Counties. * **2017 Airshow/Aerodynamics Class,** Wayne and surrounding Counties. * **Civil War Reenactment,** Craven and surrounding counties. * **“TRYSTEM (Aquatics) starts March 2017”,** Mecklenburg and surrounding Counties. * **“TRYSTEM (Aviation, Aeronautics) starts April 2017”,** Mecklenburg and surrounding Counties. * **Afterschool programming,** Mecklenburg and surrounding Counties. * **9-week “Speak up Program”,** Mecklenburg and surrounding Counties. * **Protecting kids from Gangs and Guns w/CMPD** * **Whitewater Center, Ride with Pride bike race,** Mecklenburg and surrounding Counties. | |  | |  | | |  | | --- | | *Special Thanks to The Vision Builder Adventure partners, you are making an impact.* | |  | | | | | |