



## A. J. Whittenberg Elementary School of Engineering

# Summer 2016

## Programs & Camps

Below is a list of summer programs at AJ Whittenberg Elementary. These programs are open to ALL STUDENTS in the Upstate. Please use the attached **COMMON APPLICATION FORM** to register and pay for these great, STEAM-focused programs. Please note that programs, unless marked, are first-come-first-serve based on availability. Payment is required to confirm registration. Once accepted into a program, there are no refunds. Questions can be directed to Program Director Lynn Mann at [lmann@greenville.k12.sc.us](mailto:lmann@greenville.k12.sc.us) or 452-0512.

**All programs held at AJ Whittenberg Elementary School, 420 Westfield Street, Greenville, SC 29601**

| PROGRAM                        | GRADE   | COST  | DATES   | DESCRIPTION / Restrictions   |
|--------------------------------|---|-------|---|--|
| WeDo Lego Robotics             | Rising 2 <sup>nd</sup> and 3 <sup>rd</sup> grades                 | \$50  | Monday - Thursday<br>9:00 am – 12:00 noon<br>June 20-23                       | Introduction to Lego Robotics and Lego WeDo programming for rising 2 <sup>nd</sup> and 3 <sup>rd</sup> grade students. Students will work in small teams to create a variety of interactive projects controlled by student controlled robot programs.  |
| Camp Lego I Robotics           | Rising 4 <sup>th</sup> & 5 <sup>th</sup> grades                   | \$85  | Monday – Thursday<br>9:00 am – 12:00 noon<br>June 27-30<br>-or-<br>July 11-14 | Robot design and programming with the Lego EV3 robots. Students will work in teams of two to create and program their robot to compete missions on a defined course. No prior experience is required. Choose from one of two identical sessions.   |
| Camp Lego II Advanced Robotics | Rising 4 <sup>th</sup> , 5 <sup>th</sup> & 6 <sup>th</sup> grades | \$85  | Monday – Thursday<br>9:00 am – 12:00 noon<br>July 18-21                       | Advanced work with Lego EV3 robots focused on using sensors and advanced programming blocks to complete missions on a defined course. Attendance at Camp Lego I or prior FLL experience required.  |
| Coder Club I                   | Rising 3 <sup>rd</sup> -6 <sup>th</sup>                           | \$60  | Monday – Thursday<br>1:00 pm – 4:00 pm<br>July 11-14                          | Learn the basics of computer coding. Students will be exposed to block based visual programming as well as the programming basics in Python and JavaScript. Students will create games, digital art and stories to highlight their new coding skills. No prior experience necessary.   |
| Coder Club II Advanced         | Rising 3 <sup>rd</sup> -6 <sup>th</sup>                           | \$60  | Monday – Thursday<br>1:00 pm – 4:00 pm<br>July 18-21                          | Next step in computer coding. Students will work on more advanced projects with Scratch, Python and JavaScript. Requires attendance at Coder Club I or previous Coding instruction.  |
| STEAM Maker Camp               | Rising 2 <sup>nd</sup> -6 <sup>th</sup>                           | \$75  | Monday – Thursday<br>1:00 pm – 4:30 pm<br>July 25-28                          | Hands-on projects in Science, Tinkering, Engineering, Aesthetics, Mathematics + the Maker Movement. Students will explore by creating a variety of projects in our library MakerSpace. Students will leave exhausted but enthusiastic about learning.  |
| Camp Invention                 | Rising 1 <sup>st</sup> – 6 <sup>th</sup> grades                   | \$220 | Monday - Thursday<br>8:00 am – 4:00 pm<br>June 27-30                          | Innovation, creative problem-solving and teamwork are the core of Camp Invention. Young innovators will brainstorm product ideas, explore animals and their environments, create a solar-powered cricket, and much more. ONLINE SIGN UP REQUIRED at <a href="http://CampInvention.org">CampInvention.org</a> . Discounts available for early registration. |

| PROGRAM   | GRADE  | COST | DATES   | DESCRIPTION / Restrictions  |
|---|--|------|---|---|
| <b>Urban Naturalist/<br/>Nature<br/>Photography</b> | Rising 2 <sup>nd</sup> -6 <sup>th</sup>            | \$60 | Monday-Thursday<br>9:00 am – 12:00 noon<br>and all day field study<br>FRIDAY<br>9:00 am – 3:00 pm<br>August 1-5 | Students will explore the natural world in our city; topics include plant, animal, and insect identification, being safe in nature, stream water analysis and hiking basics. Students will also be learning the basics of nature photography to document their explorations. On Friday, students will complete a field study to practice naturalist skills and conduct a stream analysis. |
| <b>Recycled Art</b>                                 | Rising 1 <sup>st</sup> - 6 <sup>th</sup><br>grades | \$40 | Monday-Thursday<br>1:00 – 4:00 pm<br>June 20-23<br>-or-<br>August 1-4   | Students will explore sustainability and art through a variety of recycled art projects. Students will keep all projects created during the course. Choose one of two identical sessions.   |

Summer camp is a privilege at A. J. Whittenberg Elementary. Students are expected to attend regularly, give their best effort and adhere to all school rules. Disruptive students will be removed without refund.

**Students attending both a morning and afternoon session on the same day may stay for LUNCH.** They can bring a lunch or, after July 11, may purchase a cafeteria meal based on the same eligibility as the 2015-16 school year. Contact Lynn Mann for details at [rlmann@greenville.k12.sc.us](mailto:rlmann@greenville.k12.sc.us)

**Due to limited space, PAYMENT IS REQUIRED WITH REGISTRATION. Once accepted into a program, no refunds are possible.**

Student Name: \_\_\_\_\_ Grade (For 2016-17) \_\_\_\_\_

Student School \_\_\_\_\_

Parent Name: \_\_\_\_\_ Phone \_\_\_\_\_

Parent Email: \_\_\_\_\_

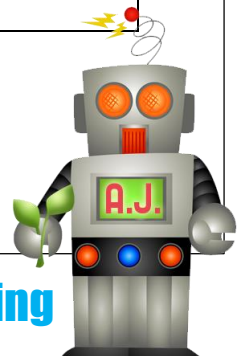
List any Medical Issues, Food or other Allergies: \_\_\_\_\_

| PROGRAM  | COST | PAYMENT |
|--|------|---------|
| WeDo Lego <input type="checkbox"/> June 20-23  | \$50 |         |
| Camp Lego I <input type="checkbox"/> June 27-30 <input type="checkbox"/> July 11-14 <input type="checkbox"/> Either Session  | \$85 |         |
| Camp Lego II <input type="checkbox"/> July 18-21   | \$85 |         |
| Coder Club I <input type="checkbox"/> July 11-14   | \$60 |         |
| Coder Club II <input type="checkbox"/> July 18-21  | \$60 |         |
| STEAM Maker <input type="checkbox"/> July 25-28  | \$75 |         |
| Urban Naturalist/Nature Photography <input type="checkbox"/> August 1-5  | \$60 |         |
| Recycled Art <input type="checkbox"/> June 20-23 <input type="checkbox"/> August 1-4 <input type="checkbox"/> Either Session | \$40 |         |
| <b>TOTAL PAYMENT ENCLOSED</b>  |      | \$      |

**Cash or Check Accepted. Make Checks Payable to A. J. Whittenberg Elementary.**

**Mail To:** Lynn Mann, A.J. Whittenberg Elementary, 420 Westfield Street, Greenville, SC 29601.

Payment is required with registration due to limited space.  
Once your reservation is confirmed there are no refunds.



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