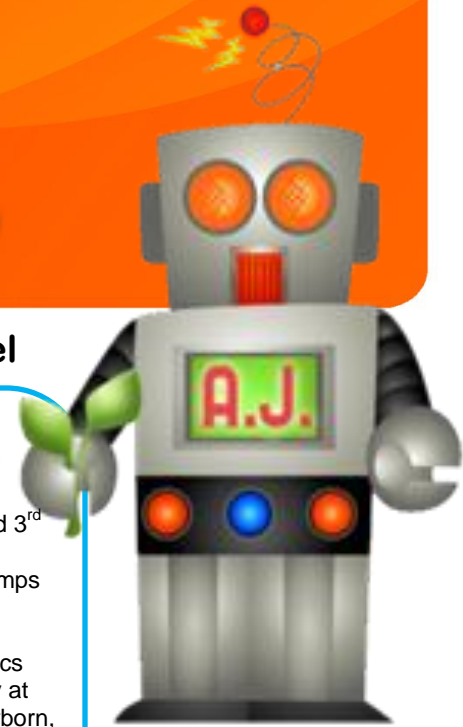




# A.J. Whittenberg Elementary School of Engineering



## Innovative Programs and Initiatives to Help Students Excel

### ACADEMICS

- Innovate! (transportation provided)
- Camp Invention (Summer)
- Library Days (Summer)
- Bridge Program – K5 & 1<sup>st</sup> (Summer)
- Morning Tutoring - 3rd Grade
- Morning Tutoring - K5 Kindergarten
- One-on-one Tutoring (as needed)

### ENGINEERING & ROBOTICS

- Professional Engineering Weeks
- Young Engineers Club (3<sup>rd</sup>-5<sup>th</sup>)
- Junior Lego Robotics Teams (1<sup>st</sup>-3rd)
- FIRST Lego Robotics Teams (4<sup>th</sup>-5th)
- Camp Lego (Summer, 2 Sessions)
- Lunch n' Learn Engineering (5th Grade)

### SUSTAINABILITY

- Green Team - 1st Composting
- Green Team - 2nd Recycling
- Green Team - 3rd Air Quality
- Green Team - 4th Water Conservation
- Green Team - 5th Energy Conservation
- Recycled Crafts & Jewelry Making

### HEALTHY LIFESTYLES

- Organic Garden
- Recycled Greenhouse
- Urban Naturalists
- Walk to Run
- Hiking
- Tennis (2nd & 3rd Grade)
- Swimming Lessons (3rd Grade)
- Golf (5th Grade)
- Dancing (4th Grade)
- Soccer (2nd-4th Grades)
- Birthday Club

### ENRICHMENT

- Art Club
- Chorus
- Digital Photography

### EXTENDED DAY PROGRAM (EDP) (fee)

- EDP - Piano
- EDP - Tae Kwon Do
- EDP - Yoga

*With the exception of EDP, all programs are free.*

## LEGO ROBOTICS

AJW has a robust Lego Robotics program including Junior Lego League for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> grades; FIRST Lego League for 4<sup>th</sup> and 5<sup>th</sup> grades and NXT Lego Robotics summer camps that teach programming and robot design.

In May 2013, the 4<sup>th</sup> grade FLL Lego Robotics Team was invited to compete internationally at the Open European Championship in Paderborn, Germany. AJW went head-to-head with 54 teams from 35 countries. They were one of only 3 teams from North America invited.



## ENGINEERING WEEKS

Greenville, SC has the highest percentage of engineers per capita in the country. AJW leverages that expertise to bring engineering to life for its students.

One week per month, major engineering firms visit AJW to share hands-on activities for each grade level based on their company's area of expertise. They also highlight major engineering projects under way at their company, new products, inventions and advancements.

Companies include:  
Fluor, GE  
Hubbell Lighting,  
Michelin,  
CU-ICAR  
Hartness,  
Arbor Engineering,  
Jacobs Engineering and more.



## Innovate!



Innovate! is a special afterschool program that challenges select 3rd - 5th grade students to reach their full potential. Students are chosen for their academic performance, character and potential.

The program includes engaging Math and ELA instruction as well as enrichment activities, and a hot meal. Bus transportation is provided home. In its first semester, Innovate! raised Math scores 24% and ELA scores 12%. This year, 30 students are engaged in Innovate!