



Inspire. Design. Create.

Innovation in Education powered by Science and Technology.

**Launch Date: 3:30 p.m., September 14, 2009 at Orlando Junior Academy**

Registration Kit

*A mind, once stretched by a new idea,  
never regains its original dimension.*

-- Oliver Wendell Holmes

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For more information about the Adventist Robotics League visit

<http://www.adventistroboticsleague.net/>

**Orlando Junior Academy**

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## OJA Robotics

OJA has joined the Adventist Robotics League, which is sponsored by the North American Division Office of Education and operates robotics challenges across the country to provide students in Seventh-day Adventist schools the opportunity to expand their technical skill sets. What Robotics Clubs accomplish is nothing short of amazing. It's fun. It's exciting. And the skills they learn will last for a lifetime. The Adventist Robotics League is affiliated with the FIRST LEGO League, <http://www.usfirst.org>.

***Beginning September 14, 2009, the club will be meet on every Monday from 3:30 p.m. to 5 p.m. OJA will compete with other Adventist Schools in March 2010 at Southern Adventist University.***

Students will get to:

- Design, build and program robots using LEGO MINDSTORMS technology
- Apply real-world math and science concepts
- Research challenges facing today's scientists
- Learn critical thinking, team-building and presentation skills
- Participate in tournaments and celebrations
- Earn a place in the Southern Union Robotics League Challenge

### **Who can Participate?**

Students in grades 4 – 8 or ages 9 – 14.

### **What is the cost?**

The registration fee for the club is \$125.00 for the year.

### **When will the club meet?**

The club will be meet on every Monday from 3:30 p.m. to 5 p.m.

### **How can I participate?**

Just feel out the form below

Student Name: \_\_\_\_\_ Grade: \_\_\_\_\_ Birth date:

\_\_\_\_\_

Parent's Name: \_\_\_\_\_ Home Phone: \_\_\_\_\_

Cell: \_\_\_\_\_ Address: \_\_\_\_\_

### **Parents we need your help, so get involved.**

Parents, in order for OJA Robotics to be a success we will need your help. You can help in one of the following ways:

- Coach
- Mentor
- Sponsor
- Event Volunteer

Below you will find a definition for each role. Please place a check mark by your area of interest.

## Volunteer Information

Name \_\_\_\_\_ Cell: \_\_\_\_\_

Phone: \_\_\_\_\_ Address: \_\_\_\_\_

### Become a Coach

Teams will be composed of 3 to 6 students. Each Team will require at least one adult coach. As the coach you must be 18 or older. Lots of people make good coaches such as parents, teachers, engineers, college students, and scout leaders. It requires no special skill, just patience, dedication, and a willingness to learn alongside the team. You will need to direct the process the team follows to solve the Challenge without providing the solution yourself.

In addition, you must be willing to acquire some basic knowledge of the programming environment and LEGO robot building or have an assistant coach who can. We encourage you to enlist the support of a technology mentor or guest speakers for additional assistance. We also recommend that you invite people with backgrounds in engineering, programming, and the science of the Challenge to share their knowledge and experience with your team.

- Can be a person of any age, teaching others what they know
- Brings either technical or non technical expertise to the team
- Provides the opportunity for students to learn directly through experiences
- Begins as a teacher, evolves into a colleague
- Knows that Mentoring and Coaching is about inspiring and guiding
- Provides students the environment to succeed
- Is patient, supportive, enthusiastic, compassionate and available
- Remembers what's important – it's about the kids and they come first

### Become a Mentor

Meaningful involvement of adults in children's lives has proven as an essential component for developing young people's potential. OJA Robotics creates powerful relationships between the children and the adults who participate. Anyone can be a mentor: technical or non-technical professionals; teachers; professors; parents; college students. As a mentor, you:

- Provide valuable one-on-one interaction that develops both technical and interpersonal skills in team members
- Empower children with a sense of accomplishment
- Are respected and admired by team members
- Are inspired and energized through their participation

### Become a Team, Event, or Program Sponsor

To help make *OJA ROBOTICS* a success, you can:

- Provide financial support to teams
- Involve employees as mentors, coaches and/or volunteers
- Provide equipment, facilities and/or training
- Help host a tournament for your community

### Volunteer

OJA Robotics is a journey to self-discovery for both team members and volunteers. Everyone learns new skills they can use for life.

- Mentor or coach a team
- Judge
- Referee
- Coordinate a team
- Help with fundraising
- Recruit new teams