Adventist Robotics League

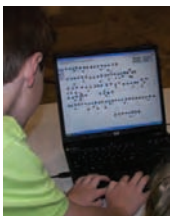
Robotics Make Science Exciting

Kids spend a couple months conducting scientific research, preparing presentations, designing, building, and testing a fully autonomous robot.

. . . think in new ways and try different problem solving techniques.

. . . research, design, build, and program robots to solve real-world problems.

. . . ask new questions and begin to think like engineers and scientists.



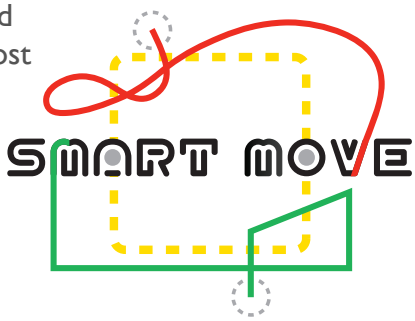
Teams from large schools, small schools, home schools, Pathfinders, or after school clubs can join Adventist Robotics League (ARL).

Adventist Robotics League
Southern Challenge
is sponsored by
School of Computing
Southern Adventist University

Smart Move

"Transforming Transportation"

Can Adventist Robotics League teams transform the way we look at transportation? The key to the 2009-2010 "Smart Move" Challenge is accessing people, places, goods and services in the safest, most efficient way possible. In this journey, teams will consider many modes of transportation beyond their daily routine and streamline their options by making smart moves!



Southern Challenge
March 14, 2010

The Adventist Robotics League Southern Challenge is where it all comes together. Teams present their research, demonstrate their robots and their strategy, and test their robots on a special field mat.

Teams are recognized for excellence in various aspects of the team process.

Space is limited, so register early to make sure your team gets to participate.

It's not about getting the highest score at the challenge. It's about the experience—the experience of creative thinking, working together, and solving problems.

Everyone who participates is a winner.

What you need to get started

Teacher or Coach

Contact the School of Computing at Southern Adventist University if you are interested in training for coaches

Team of Three to Six Kids (up to ten allowed but not recommended)

Teams can be made up of kids from grades five through eight or high school students (grades 9 to 12)

LEGO® MINDSTORMS® NXT* Robots

Team Challenge Set with Software (order when registering at www.register4fll.com)

*Teams with RCX Robot Sets may continue to use them.

Registration Kit & Field Set Up Kit

Available from May to mid-September from FIRST LEGO League at www.register4fll.com

Supplies are limited, so order early

Tournament Registration

Register for the Southern Challenge by calling 423-236-2936

Challenge Dates

Mid-September, 2009

Projected last day to register and purchase Smart Move Set-Up Kit from FIRST LEGO League (Registrations will close when all slots are filled.)

January 31, 2010

Last day to register for **Southern Challenge** (Registration is free.)

August, 2009 - March, 2010

Research, design, build, program, and test robot for the challenge.

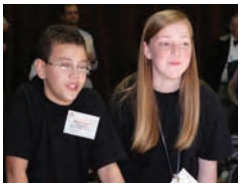
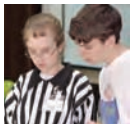
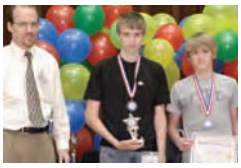
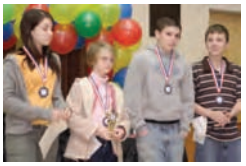
Sunday, March 14, 2010

Adventst Robotics League **Southern Challenge**

May, 2010

NAD Invitational Challenge
Walla Walla University

Resources

www.adventistroboticsleague.net
www.firstlegoleague.org
www.usfirst.org
www-education.rec.ri.cmu.edu/roboticscurriculum/index.html

Southern Challenge Gallery