



Why Students Join PHRED



Visit our website at <http://www.team847.com>
Learn about FIRST at <http://www.usfirst.org>.

For
Inspiration and
Recognition of
Science and
Technology



FIRST's Mission:

“*To inspire young people to be science and technology leaders, by engaging them in exciting mentor-based programs that build science, engineering and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.*”

FIRST is an international organization that connects over 44,000 mentors with more than 156,000 elementary through high school aged students to organize competitions for the 12,908 robots that they build. To ensure a challenge for such a wide variety of ages and skill levels, *FIRST* organizes Junior *FIRST* Lego League, *FIRST* Lego League (FLL), *FIRST* Tech Challenge (FTC), and the *FIRST* Robotics Competition (FRC) in which PHRED participates. For more information, visit www.usfirst.org.

Philomath
High
Robotics
Engineering
Division



2008 PHRED Team

Founded in 2001, PHRED is a *FIRST* Robotics team of high school students from the Philomath area. Each year we improve our teamwork and robot design, and a wide variety of awards and honors from FIRST reflect our success. The largest of our 7 trophies is the Chairman's award, the highest honor that a FIRST team can receive.

Benefits:

Participating in FIRST on a team like PHRED makes students eligible for more than \$9 million in scholarships, often in engineering but with some for all fields of study. The teamwork and professionalism skills practiced at robotics are helpful in all careers and possibilities in life. It's also extremely fun. Everyone who's seen the spirit of the other teams at Regionals understands just how significant a thing FIRST is to participate in.

Commitment:

The 6 weeks of Build Season, from early January to mid-February, are the main season of the Robotics sport. We work on the robot every evening of the school week from 6:30 to 9:00, and usually all day on Saturdays. The Oregon Regional competition, held in Portland, is a 3-day event packed with engineering, team spirit, and most importantly Gracious Professionalism and Cooperation. During the "Off-Season" (the rest of the year), we meet every Tuesday from 6:30 to 9 PM at the PHS shop.



For More Information:

Visit our website: www.team847.com

Email: phs_first_robotics@ieee.org

Our Successes:

- **Regional Chairman's Award:** Highest honor a FIRST team can receive, role model for other teams.
- **Leadership in Controls:** Recognized successful and innovative software.
- **Team Spirit Award 2005, 2006, 2007:** Imagery and Enthusiasm
- **Autodesk Visualization Award:** Awesome 30-second animation
- **Gracious Professionalism Award:** Embodiment of the spirit of FIRST

A group of students from PHRED recently applied their teamwork and building-with-a-deadline skills to create the winning computer game in OGPC 1.0.



2008 Drive Team

Our enthusiastic approach and vibrant "caution robot zone" theme has achieved recognition from other FIRST teams. More important than the official awards is our reputation: Mention PHRED to any FIRST person who has been to the Oregon regional recently, and they'll recognize our caution tape and name.

Gracious Professionalism:

“It's a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community.”

With Gracious Professionalism, fierce competition and mutual gain are not separate notions.”

—Woodie Flowers, co-founder of *FIRST*

Our Mentors:

With all levels of experience, from lifetime professionals at local tech companies to amateurs, these wonderful "grownups" of the team provide adequate supervision and make sure we know how to use tools safely, guide us while letting us figure it out ourselves, and set a fabulous example of gracious professionalism for us to follow.



“The mentors are the heart of the team. They encourage the kids' creative and critical thinking and especially their teamwork skills.”

—Karen Morton, Team Parent

Our Sponsors:

Thank you to the local businesses and individuals who support and believe in PHRED.

Creative Graphics

D & D Tree Farms

E.D. Hughes Excavation

Eleanor Otley

Gene Tools

Hewlett-Packard

HyTEK Plastics

IBEW Local 280

Jim Shroyer Construction

Premier Electric

WET Labs

Wild Garden Seed