

ROBOTICS

RoboWhizards FLL (middle school)

Our flagship engineering program for middle schoolers is our RoboWhizards robotics teams. We participate in FIRST LEGO League (FLL), an annual international competition that requires students to design, build, and program task-oriented robots constructed solely from LEGOs. We sponsor our own FLL teams and mentor parents and teachers on starting their own teams.



Visit www.robowhizards.com



Driven Robotics (high school)

For high schoolers, we sponsor a community-based FIRST robotics team called Driven. FIRST is an annual national competition in which students design and build intelligent, remote-controlled robots. Students learn engineering and business skills, the innovation process, and gracious professionalism. Team Driven is mentored by engineers and other technical experts in the industry. Visit www.drivenrobotics.com.

for more info on our robotics programs, contact Dana Swieson, Robotics Director, DSwieson@science-resources.org

SCIENCE Resources

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SCIENCE Resources

Our Mission

To assist families and communities in providing quality science and engineering education

Our Philosophy

In the advanced technological era we live in, it is critical that children be educated in an environment where the appreciation of science and engineering is fostered at a young age and where real-life applications are emphasized in the older grades. For the primary and middle school age, this means incorporating hands-on lessons. For the secondary school level, this means incorporating student and professional laboratory opportunities.

Our Goals

- Assist parents, teachers and other educators in making science and technology education interesting, exciting, and fun
- Make quality, hands-on science and technology education more readily accessible and affordable in the local community
- Facilitate the interaction between students and the science & engineering community

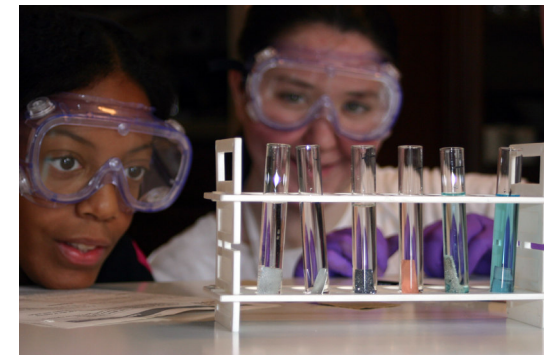
How You Can Help

Financial donations: tax-deductible

Volunteer: share your time and expertise as an instructor, coach, mentor, organizer, judge, assistant, grant writer, liaison

Other resources: donate lab supplies, books, equipment, student prizes, business supplies or services, meeting space, or host a field trip

Become a Program Sponsor

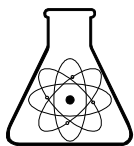


SCIENCE Resources is a non-profit
501(c)(3) organization

assisting families & communities in providing
quality science & engineering education

Greater Philadelphia Homeschool Science Fair

The Greater Philadelphia Homeschool Science Fair (GPHSF) is an annual event, held every February (since 2000), where K-12 homeschooled students showcase their science and engineering projects. Students are evaluated by teams of judges consisting of local teachers and science professionals. The GPHSF is an all-day affair hosted by Villanova University. Students and the public get to observe the student project displays and attend science and robotics demonstrations. GPHSF students have continued on to their county science fairs, the Delaware Valley Science Fair, and the International Science & Engineering Fair.



Greater Philadelphia Homeschool Science Fair



for details, visit fair.science-resources.org
or contact Lisa Swieson, GPHSF Director
ScienceFairLady@science-resources.org

Science Academy



- Biology
- Chemistry
- Physics
 - Life Science
 - Earth Science
 - Physical Science
 - Forensic Science



SCIENCE Resources offers lab-based science classes to students who otherwise would not have access to such courses. These one- and two-semester courses are offered at both the middle school and high school levels.

for more info on our science classes,
visit academy.science-resources.org

Enrichment Activities

Each year SCIENCE Resources sponsors activities to supplement students' existing science and engineering education. These activities vary from year to year. Here are some examples of our enrichment activities:

- Math Olympiad – for elementary, middle, and high school students
- Students Exploring Science & the Arts through Magic Education – a theatre-based science summer camp
- Intro to Computers
- Jr. Solar Sprint
- Field Trips

Other Services

Mentor/Internship Network

facilitating the interaction between students and local science & engineering businesses, educational institutions, and professionals

Scientific Equipment Lending

lab glassware, student microscopes, hot plates, other lab supplies, for example

Teacher/Parent/Student Workshops

instructional and motivational workshops for students, teachers, and parents on topics such as how to prepare a science fair project, running a science fair, coaching a robotics team, etc.

Program Consultation

advising program administrators on designing and implementing effective K-12 science and engineering programs

for more info, visit science-resources.org
or contact Karen Hess, Executive Director
KHess@science-resources.org