



## GIST 2017-2018

The *Girls in Science and Technology (GIST)* is a collaborative effort developed by the AHMEC and the Girl Scouts of Eastern Pennsylvania to offer a fun and educational hands-on program where girls engage in classes in Science, Technology, Engineering, and Mathematics – or STEM – including the physics of flight, energy and chemistry, mechanical engineering, and robotics. At each grade level the girls explore a different STEM topic.

|                     |                        |
|---------------------|------------------------|
| <b>Grade 3:</b>     | Physics of Flight      |
| <b>Grade 4:</b>     | Space                  |
| <b>Grade 5:</b>     | Energy                 |
| <b>Grade 6:</b>     | Chemistry              |
| <b>Grade 7:</b>     | Mechanical Engineering |
| <b>Grade 8:</b>     | Coding                 |
| <b>High School:</b> | Robotics               |

**Who can become involved with the program?** Any girl in grades 3-12 may become involved in GIST.

**Who works with the girls?** The girls work with student mentors, as well as industry-leading educational and corporate mentors, to learn about the thrill of innovation and technology. Each class is mentored by female college students in the STEM fields from local universities including West Chester University, Villanova University, and Arcadia University. In turn, the female college students are mentored by local leaders in the STEM fields.

**When and where will the meetings take place?** GIST meets approximately every other weekend from November to early April. The meetings are held on Saturdays from 2pm to 4pm at the American Helicopter Museum and Education Center in West Chester, PA.

**What does the program cost?** The cost of the program is \$100 per girl. (Additional siblings are discounted to \$50 per girl.) There is a \$15 Girl Scout registration fee for every girl who is not already registered as a Girl Scout. If a girl wishes to take part in GIST but are unable to pay these fees, please indicate that when registering. Financial aid is available; no girl shall be turned away due to the inability to pay.

**How do I become involved?** For additional information or to request an application form, please email directly to [info@americanhelicopter.museum](mailto:info@americanhelicopter.museum)

Sincerely,

Education Manager  
American Helicopter Museum and Education Center  
[www.americanhelicopter.museum](http://www.americanhelicopter.museum)