PROGRAMS for K-12

Carnegie Mellon (CMU) Programs

CMU summer programs
http://www.cmu.edu/summer/

CMU’s Women@SCS outreach page:
http://www.women.cs.cmu.edu/What/Outreach/

CMU’s Women@SCS Roadshow
http://www.women.cs.cmu.edu/What/Outreach/Roadshow/
They will bring the “Roadshow” to a school if a school official asks. CMU students present.

CMU’s TechNights (Creative Technology Nights) for Middle School Girls.
http://women.cs.cmu.edu/technights/
This program exposes middle school young women to all kinds of interesting computer science topics.

Leap@CMU (formerly Andrew’s Leap)
High School age. Test in, competitive and expensive. Some scholarships available. Students can take the test a second time the following year if they are not accepted the first year and still want to attend the program. Students admitted one year may defer to the following summer without taking the test again.
http://www.cs.cmu.edu/~leap/
http://www.cs.cmu.edu/~leap/registration.html

Pennsylvania Governor’s School for the Science at CMU
Applicants must be Pennsylvania residents in their junior year of high school.
http://sciences.pa-gov-schools.org/

CMU - SUCCEED: The Summer Center for Climate, Energy, and Environmental Decision-Making
http://cedmcenter.org/
A 5 day program designed to complement what 9th grade students have studied in school and provide them with opportunities to expand their understanding of energy, the environment, and how those relate to climate change.

SEE: Summer Engineering Program for Girls
Girls entering 8th or 9th grades
http://www.ices.cmu.edu/see/

SAMS: Summer Academy for Mathematics + Science
Rising Juniors and Seniors
http://admission.enrollment.cmu.edu/pages/diversity-sams
Other Programs:

Girls of Steel, a First Robotics Team here at CMU for high school girls.
http://www.girlsofsteelrobotics.com/
Look at their newsletter. Scholarships are available. Girls of Steel does outreach themselves, and they list programs “STEM opportunities” available in the community.

Tech Divaz – University of Pittsburgh, girls grades 7 to 9.
http://tli.cs.pitt.edu/techdivaz.html

Technology Leadership Initiative, University of Pittsburgh
http://tli.cs.pitt.edu/index.php
High School Academy

Pittsburgh First Robotics
http://www.pittsburghfirst.org/about-us/what-is-first/

Sarah Heinz House Advanced Robotics Program is a co ed First Robotics Team in the north side of Pittsburgh for girls and boys.
http://www.sarahheinzhouse.org/programs/afterschool.php

Expanding Your Horizons
http://www.expandingyourhorizons.org/

Health Sciences Career Exploration Institute (HSCEI) at the University of Pittsburgh, Medical Explorers
http://www.healthdiversity.pitt.edu/students-faculty/MedicalExplorers.php
Contact: Rhonda Matthews, Assistant Director of Diversity Programs
412-624-2516

Summer workshops at Carlow University in Pittsburgh:
http://www.carlow.edu/summerworkshops.aspx
Duquesne University, during school year and summer.
http://telecommunity.org
University of Pittsburgh Cancer Institute International Academy
http://www.upci.upmc.edu/summeracademy/index.cfm

Northwestern University Summer Programs (residential, competitive and expensive)
http://www.scs.northwestern.edu/program-areas/summer/high-school-programs/

Johns Hopkins Center for Talented Youth (residential, competitive and expensive)
Baltimore, Maryland. 3 week long programs there
http://cty.jhu.edu/summer/index.html