

STEM OPPORTUNITIES FOR FEMALE STUDENTS

Please be advised this packet is for student use. The Bellevue School District does NOT endorse any organization/event. The following list is provided as an informational service only. It is strongly recommended that every participant, as well as parent or guardian, research the organization thoroughly, before participating, to be certain it is an appropriate fit.

NWCIT Award for High School Women

What: The National Center for Women & Information Technology (NCWIT) Award for Aspirations in Computing honors high school women who are active and interested in computing and technology and encourages them to pursue their passions. This multi-tiered competition includes recognition at the national level (sponsored by Bank of America) and at the local level (sponsored by Microsoft)

Open to: Female Students grades 9-12 who have a U.S. Tax Identification or Social Security Number.

Deadline: **Early November; check the web-site in August for 2016 information**

Apply: <http://bit.ly/AiCHSAward>

Prizes: Each Affiliate Award winner receives recognition at an award event, an engraved award for both her and her school, scholarship and internship opportunities, access to a peer network of technical young women in the NCWIT Community (sponsored by Bloomberg) and various other prizes—computing resources, gadgets, sponsor-branded items, and more. Additionally, each National Award winner receives \$500 in cash from NCWIT. Bank of America also presents National Award winners with a laptop computer, a trip to attend the Bank of America Technology Showcase and Awards Ceremony in Charlotte, North Carolina in March & networking opportunities with Bank of America employees.

UW Women in Science & Engineering Conference

What: The WiSE conference is a day devoted to celebrate women in engineering academics & careers. The day-long event offers educational & professional enrichment, bringing pre-college, undergraduate, & graduate students together with faculty, administrators, & professional women.

When: **Saturday, March 3, 2018 /8:30 a.m. to 5:00 p.m.**

Where: Husky Union Building/UW Seattle Campus

Open to: Current high school Juniors & Seniors

Cost: **\$25**

Register: www.engr.washington.edu/current/studentprogs/wiseconf

Note: Space is limited to 75 high school students so register now!

Expanding Your Horizons

What: A science, technology, engineering & math conference for female students.

Open to: Female student's grades 9 -12.

When: Friday, March 30, 2018

Where: Bellevue College Campus

Cost: **T.B.D.** Last year cost was \$19

Register: Forms will be available in January. See your high school's College & Career Advisor. Students choose 3 sessions from over 50 options—register early for best selection.

Girls Who Code

- What:** A national non-profit organization working to close the gender gap in the technology & engineering sectors.
- Summer:** The Girls Who Code Summer Immersion Program is a 7-week intensive computer science course that embeds classrooms in technology companies and universities. Girls learn everything from robotics to mobile development to HTML and CSS while gaining exposure to the tech industry and receiving valuable mentorship from women working in technology.
- Open to:** Current sophomore & juniors.
- Cost:** Free
- Register:** **In January.** Application closes in March
To receive application notification sign up now at: girlswhocode.com/applynow.

Digigirlz High Tech Camp/Sponsored by Microsoft

- What:** During the camp session, the girls listen to executive speakers, participate in technology tours and demonstrations, network, and learn through hands-on experience in workshops. Established in 2000, the camp program continues to grow and evolve.
- Where:** Microsoft Campus in Redmond
- Open to:** Current freshmen, sophomores, & juniors
- Cost:** Free
- Register:** <https://www.microsoft.com/en-us/diversity/programs/digigirlz/hightechcamp.aspx>
2018 Registration not yet open/check web-site in early January.

National Girls Collaborative Project/Newsletter (NGCP)

- What:** The **vision** of the NGCP is to bring together organizations throughout the United States that are committed to informing and encouraging girls to pursue careers in science, technology, engineering, and mathematics (STEM).
- Web-site:** Sign up for the e-newsletter for our state/region. The newsletter contains information about: webinars, events (both local & national) resources, and more. One example is the FabFems Spotlight which features women in a STEM field who are enthusiastic about the science & technology work they do and want to inspire future generations. Check out <http://www.fabfems.org> for more info.

UW Math Academy

- What:** **High-achieving high school juniors from Washington State** live on the Seattle UW campus for a four-week, intensive, summer session. Students engage in coursework created by UW math faculty and designed to develop the skills necessary to meet the high standards of college-level math and engineering. Students also have enrichment opportunities to explore the range of career opportunities available to engineers through lab tours, research projects, site visits and networking events.
- When:** Summer
- Register:** <http://www.washington.edu/community/high-school-mathematics-academy/>
- Cost:** **Free**
- Note:** Application open to **all** students from Washington State, the Math Academy especially targets underrepresented minorities in engineering including African American, Latino, Native American, Pacific Islander and **female students**.

Computer Science Summer Institute (CSSI) Sponsored by Google

What: A 3 week introduction to computer science for **graduating high school seniors** with a passion for technology—especially students from underrepresented groups in the field. CSSI students: learn programming fundamentals directly from Google engineers, get an inside look at some of Google’s most exciting emerging technologies, and design and develop their own application with fellow participants that will be showcased in local Google offices.

When: Time frame T.B.D.

Where: Google offices in Seattle

Apply: Application for Summer 2018 not yet available. Check back in early January at: <https://google.com/edu/resources/programs/computer-science-summer-institute-cssi>

Cost: **Free**

Note: Application open to **all** graduating seniors—program especially targets historically underrepresented groups in the field.