

# Girls Inc. EUREKA!®

at

SUNY Polytechnic Institute

Class of 2022

## Program Information for Girls & Parents/Guardians

Girls Inc. Eureka!® at the SUNY Polytechnic Institute is a free and unique program that will provide girls with a gentle introduction to Nanoscale science, technology, engineering and math (STEM) education through an intensive summer camp experience followed up with support during the school year. Girls commit to the program for five years, preparing them for the next step in their education after high school.

**Applicants *must* be entering 8<sup>th</sup> grade or 9<sup>th</sup> grade in September 2017.**

Dates of the 2017 summer program: **July 10th– August 4th**

Child Drop Off / Pick Up: **Girls Inc. 301 Washington Avenue, Albany OR Girls Inc. 962 Albany Street, Schenectady (M-F 8:00 am & 5:00 pm)**

### Eureka!®

- Engages girls in informal STEM education that supplements classroom education.
- Involves girls in a multi-year program that has outcome measurements.
- Encourages girls to discover and explore by doing rather than just listening.
- Places girls on a college campus to reinforce the importance of higher education.
- Provides girls access to top-level scientists on the job in a world class facility.
- Plays an important role in the “cradle to career” education pipeline in NYS and the Capital Region workforce.
- Ensures girls are exposed to STEM careers so women are better represented in STEM.
- Employs learning methods that are gender-based to more effectively engage girls.
- Emphasizes the strengths and needs of young women.
- Develops girls using the “whole girl ” approach.
- Develops skills in individual and team sports while learning about puberty and sharing the challenges of dealing with rapid physical change. The combination serves to inspire bodily confidence, competence and control.
- Encourages girls to build leadership, confidence, and a positive “Eureka! Attitude.”
- Reinforces persistence in education, college goals and career awareness.

### **Overview: The Eureka!® program**

#### Summers

##### **The First and Second Summers**

Girls will attend a four week summer camp at SUNY Poly that engages them in hands-on nanoscale science and engineering activities as well as personal and workforce development workshops. They will also participate in regular group sports, individual sports and swimming. Girls who do not know how to swim will have the opportunity to learn. Each week there will be field trip focused on STEM.

## **The Third and Fourth Summers**

Girl participants in the Eureka! Internship Program can choose from a number of exciting placements in local businesses and organizations. The Eureka! Internship Program is tailored to suit the individual needs and strengths of each student.

## **The Fifth Summer**

Girls are responsible for securing their own internship, job or summer programs, with the assistance of the Eureka! Manager.

## **SCHOOL YEAR (SEPT-MAY)**

It is expected that Eureka! girls will commit to at least one Eureka! programming opportunity per month during the school year. A variety of opportunities will be offered to fulfill this commitment and might include:

- A group activity hosted at their school
- A take home assignment
- Participating in an organized community activity with the group such as SUNY Poly's Community Day
- Eureka! Saturdays (field trips, community service, STEM and other programming)
- Other Girls Inc. events and programs

In addition to the monthly commitment, during the first four school years, Eureka! participants must earn Eureka! credits to continue through the program.

- First Year (8<sup>th</sup> grade): 10 credit minimum
- Second Year (9<sup>th</sup> grade): 10 credit minimum
- Third Year (10<sup>th</sup> grade): 5 credit minimum
- Fourth Year (11<sup>th</sup> grade): 5 credit minimum
- Fifth Year (12<sup>th</sup> grade): 5 credit minimum

The credited activities may not always be planned or hosted by the Eureka! team. Ongoing activities can focus on any of the Eureka! areas-academic, assistance and study skills; math, science, technology and computers; sports; personal development; career planning-or other issues of interest to the participants. They can take place in an appropriate location accessible to the participant.

We understand students are busy and have other commitments. Many opportunities will be given to Eureka! girls to achieve these requirements and activities they already participate in will also be considered for credit. The Eureka! Manager will work with each girl to develop an individualized plan that meets their interests and needs.

## **Locations**

The primary locations for Eureka! will be the Girls Inc. sites in Albany and Schenectady, SUNY Polytechnic Institute and schools.

## **Transportation**

During the summer participants are responsible for getting to Girls Inc. in the morning. We will provide daily transportation to and from the SUNY Poly campus, as well as to and from weekly field trips. Participants will need to be picked up at Girls Inc. at the end of the day. During the school year, we do our best to provide transportation to and from events, but it is not always possible.

Sometimes there will be a limit on the number of transportation spaces available to events and other times transportation may not be available.

### **Eureka! Staff**

The implementation team includes Girls Inc. staff, SUNY Poly faculty and staff, SUNY Poly students and other community partners.

### **Acceptance**

30 students will be accepted into the program. Applications will be reviewed and students along with their parents/guardians will be selected to participate in an interview. An interview does not guarantee acceptance into the program. Space in the Eureka! program is limited. Not all applicants will be accepted. Students must be passing all of their classes.

**Thank you for your interest in the program & GOOD LUCK!**

### **Questions?**

Please call the Eureka! Manager at 518-374-9800 ext. 223 or email [Eureka@gcr.girls-inc.org](mailto:Eureka@gcr.girls-inc.org) with the subject "Eureka! Question".

### **Important Details**

- Those admitted are committing to the five-year program, including the four-week summer sessions.
- Girls are encouraged and committed to attending Eureka! activities throughout the year.
- Participants must dress appropriately for sports, including athletic shoes and swimsuits during the summer.
- Girls are expected to participate 100% in all Eureka! activities, including field trips and swimming.
- Girls, and parents/guardians, who are applying for the Eureka! program are required to attend the interview and, if accepted, an acceptance meeting to complete all necessary paperwork. Interviews and acceptance meetings will be scheduled on an individual basis and occur at either the Schenectady or Albany Girls Inc. sites.

**About SUNY Polytechnic Institute:** The SUNY Polytechnic Institute is the world leader in the emerging disciplines of nanoscience, nanoengineering, nanobioscience, and nanoeconomics. CNSE represents the world's most advanced university-driven research enterprise, with more than \$20 billion in high-tech investments and over 300 corporate partners. The 1.3 million-square-foot Albany NanoTech megaplex is home to more than 3,100 scientists, researchers, engineers, students, and faculty. CNSE maintains a statewide footprint, operating the Smart Cities Technology Innovation Center (SCiTI) at Kiernan Plaza in Albany, the Solar Energy Development Center in Halfmoon, the Photovoltaic Manufacturing and Technology Development Facility in Rochester, and the Smart System Technology and Commercialization Center (STC) in Canandaigua. CNSE co-founded and manages the Computer Chip Commercialization Center (Quad-C) at SUNYIT, and is lead developer of the Marcy Nanocenter site in Utica, as well as the Riverbend Green Energy Hub, High-Tech Manufacturing Innovation Hub, and Medical Innovation and Commercialization Hub, all in Buffalo. For information, visit [www.sunyncse.com](http://www.sunyncse.com).

**About Girls Incorporated® of the Greater Capital Region:** Girls Incorporated® of the Greater Capital Region is a non-profit organization that delivers life-changing programs that *inspire all girls to be strong, smart, and bold*™. We help girls in grades K-12 overcome economic, social and

gender barriers to growing up healthy, educated, and independent. Girls Incorporated® of the Greater Capital Region is one of the local Girls Inc. organizations in a network that serves 150,000 girls ages 6-18 annually at over 1,400 sites in 350 cities across the United States and Canada. Free after-school programs are provided at our two main centers in Albany and Schenectady and full-day programming during the summer months and school vacation weeks. Select programs and workshops are delivered to schools and community organizations throughout the Capital Region. Find us on Facebook® at [www.facebook.com/girlsinccapitalregion](https://www.facebook.com/girlsinccapitalregion) or visit our website at: [www.girlsinccapitalregion.org](http://www.girlsinccapitalregion.org).

**Call or e-mail Kelly Mucci, Eureka! Manager, at 518-374-9800 ext. 223 or [kmucci@gcr.girls-inc.org](mailto:kmucci@gcr.girls-inc.org) or [Eureka@gcr.girls-inc.org](mailto:Eureka@gcr.girls-inc.org) if you have any questions.**

**\*\*Class of 2022 Eureka! program is contingent upon funding\*\***