



Summer Science Research Experience Application

Technology Community Office of STEM
Corning Incorporated
Corning, NY

Application Deadline: April 5, 2024

PLEASE EMAIL APPLICATIONS AND SUPPORTING DOCUMENTATION TO:

OfficeOfSTEM@corning.com

This form should be completed in Microsoft Word and then signed and dated by the applicant and a parent or guardian. Email the completed form and copies of all supporting materials to: OfficeOfSTEM@corning.com by April 5, 2024



2024 SUMMER SCIENCE RESEARCH EXPERIENCE

July 8 – August 16, 2024*

APPLICATION DEADLINE: April 5, 2024

Corning's Technology Community Office of STEM is pleased to announce the 2024 Summer Science Research Experience (SSRE) **for rising High School seniors** (students who will finish the 11th grade in June, 2024).

This **unpaid** experience is designed to allow students who demonstrate a high interest and competency in science, technology, engineering and math (STEM) the opportunity to enrich their skills through practical application in a real-world setting. Students are matched with a mentor in one of Corning's Research, Development or Engineering laboratories and work on real world projects for a period of six weeks in the summer. The high school researcher is expected to assume responsibility for an experimental process that contributes to the overall research goals of the laboratory site. Moreover, the student may be presented with the opportunity to develop successful modifications that improve process and outcome. Researchers are selected on the basis of interest, aptitude, experience in basic laboratory techniques, and social maturity. Students are matched with mentors based on mutual interest and student experience. Throughout the summer, researchers work onsite in their mentors' labs or work sites, learning and participating in the ongoing work of the lab. Students must also make a formal presentation that describes the research or investigation with which they were involved (the presentation is reviewed and approved by the student's mentor).

A student is eligible to apply for the Office of STEM SSRE if:

- The student is currently enrolled as a student in one of the Greater Southern Tier's (GST's) component school districts. (Waivers may be given to non-GST students but **are not** guaranteed.);
- The student is currently completing the 11th grade (Junior year) in High School;
- The student has a track record of demonstrated academic achievement and commitment to their education;
- The student will have successfully completed Regents Chemistry by June 30, 2024;

REQUIREMENTS: Applicants must submit –

- A completed application form;
- A current academic transcript;
- Two letters of recommendation (**on letterhead, signed and dated**) from science or mathematics teachers currently working at their High School (at least one of whom is the student's current teacher);
- A personal statement (instructions are included in the application)



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SELECTIONS:

Based on the pool of eligible applicants, top candidates will be selected for a personal interview. Interview notices will be communicated by April 19, 2024. Interviews are planned for the week of May 6, 2024 and will be in person at Corning's Sullivan Park facility unless restricted by pandemic protocols. Students must be available to interview at the time assigned to them so are encouraged to avoid scheduling out of town travel that week if possible. There will be a **mandatory pre-interview meeting** held virtually for all candidates selected for interviews on Tuesday, April 30th, from 7-8pm.

All applicants should hold the above dates and times on their calendars in advance so that, if selected to interview, they won't have a conflict with attending the pre-interview meeting or their interview. **Note:** All the above dates are tentative and will be confirmed and communicated by April 5, 2024.

Final selection of participants will be made after the personal interviews and candidates will be notified electronically.

Prior to the start of the experience, each student will be informed of the details of their placement and will be responsible for attending an introductory meeting with their Corning Incorporated mentor. At the meeting, program arrangements will be discussed and work schedules will be finalized. **Note:** Researchers are expected to work 40 hours per week at the research site. The summer 2024 experience will begin on July 8th and continue through August 16th*. Travel to work sites is the responsibility of the student. **Note:** In the event that pandemic protocols prohibit onsite access, the SSRE will be cancelled.

***The SSRE may be extended 1-2 weeks if desired by both the mentor and the student.**



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SUMMER SCIENCE RESEARCH EXPERIENCE APPLICATION

PERSONAL INFORMATION:

First Name: _____ **Last Name:** _____ **M.I.** _____

Address: _____

City: _____ **State:** _____ **Zip Code** _____

Telephone: _____ **E-mail:** _____

Gender: (please check one): M ___ F ___ Transgender ___ Non-binary ___ Other ___

Race/Ethnicity: Asian/Pacific Islander ___ Black ___ LatinX ___ White ___ Two or more ___

Birth Date: _____ **High School Grade Level as of May 2024:** _____

Mother/Guardian: _____ **Daytime Phone:** _____

Father/Guardian: _____ **Daytime Phone:** _____

SCHOOL INFORMATION:

Name of School: _____

Address: _____

City: _____ **State:** _____ **Zip Code:** _____ **Telephone:** _____

Teachers from whom you have requested recommendations:

Name: _____ **Subject:** _____

Name: _____ **Subject:** _____

ADDITIONAL INFORMATION:

Please indicate three fields you'd prefer for your experience. Placement preference not guaranteed:

Biochemistry

Biology

Chemistry

Computer Science

Environmental Science

Engineering

Earth Science

Mathematics

Physics

Are you willing/able to travel to a site outside of your county? Yes **No**



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SUMMER SCIENCE RESEARCH EXPERIENCE APPLICATION (continued)

Please indicate your academic and laboratory experience:

Subject studied	Year Completed	Lab Experience	Lab Hours per week
Regents Biology	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____
Regents Chemistry	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____
Regents Physics	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____
Regents Earth Sci.	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____
IB/AP/College Biology	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____
IB/AP/College Chem.	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____
IB/AP/College Physics	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____
IB/AP/College Math	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____
AP/College Comp. Sci.	_____	yes <input type="checkbox"/> no <input type="checkbox"/>	_____

Have you completed the 1-week Summer Science Experience (SSE) with Dr. Tong? _____
If yes, what year? _____

List any other Laboratory/Internship Experiences (outside of school): _____

List any computer experience/knowledge of programming languages: _____

List all full and part-time jobs you have had:

Position	Employer	Dates	Hours/Week



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SUMMER SCIENCE RESEARCH EXPERIENCE APPLICATION (continued)

BRIEF QUESTIONS:

Please answer the following questions (type your response below). Your responses should be brief but complete.

1. Why do you want to participate in the Summer Science Research Program?
2. List all hobbies, volunteer, and extracurricular activities. Include those that demonstrate your interest and ability to participate in scientific research.
3. Which of the above activities is/are most important or has/have had the most impact on you?
4. What are your long-range career goals?
5. List the last 3 books/articles you have read on your own (not for a school assignment). Which one was the most interesting and why?

PERSONAL STATEMENT:

Answer the following question (type your response below): If you could interview a famous engineer, inventor, mathematician, or scientist, living or dead, who would it be? Why did you choose this person, and what would you want to talk about? (Your statement should be approximately 250 words.)

Parent/Student Commitment

The following must be completed by both the student and their parent/guardian:

I, _____, certify that the information on this form has been provided in consultation with my parent or guardian. If selected, I will fulfill all requirements of the Summer Science Research Program. I understand that program placement is at the discretion of the program staff, and that specific requests are not guaranteed.

Signature of Student: _____ Date: _____

Signature of Parent/Guardian: _____ Date: _____

Note: Actual signatures are required (not typed representations).