

**Summer Science**

**Research Experience**

**Application**

 **Technology Community Office of STEM**

 **Corning Incorporated**

 **Corning, NY**

 **Application Deadline: April 4, 2025**

**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 4, 2025** |



 **2025 SUMMER SCIENCE RESEARCH EXPERIENCE**

 **July 7 – August 15, 2025\***

APPLICATION DEADLINE: April 4, 2025

Corning’s Technology Community Office of STEM is pleased to announce the 2025 Summer Science Research Experience (SSRE) **for rising High School seniors** (students who will finish the 11th grade in June, 2025).

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 groups and work on real world projects for a period of six weeks in the summer. The high school researcher is responsible for projects that contribute to the overall technical deliverables of the group they support. 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 and available projects. Students are paired with mentors based on mutual interest and student experience. 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, 2025

**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 25, 2025**.** Interviews are planned

forthe week of May 5, 2025and 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 29th, 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 subject to change. Any changes will be

communicated as soon as possible.

Final selection of participants will be made after all interviews have concluded 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. **Note:** Researchers are expected to work 40 hours per week at the research site. The summer 2025 experience will begin on July 7th and continue through August 15th\*. Travel to work sites is the responsibility of the student.

**\*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 2025: \_\_\_\_\_\_\_\_\_\_ 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**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**Regents Chemistry \_\_\_\_\_\_\_\_\_\_ yes**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**Regents Physics \_\_\_\_\_\_\_\_\_\_ yes**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**Regents Earth Sci. \_\_\_\_\_\_\_\_\_\_ yes**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**IB/AP/College Biology \_\_\_\_\_\_\_\_\_\_ yes**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**IB/AP/College Chem. \_\_\_\_\_\_\_\_\_\_ yes**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**IB/AP/College Physics \_\_\_\_\_\_\_\_\_\_ yes**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**IB/AP/College Math \_\_\_\_\_\_\_\_\_\_ yes**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**AP/College Comp. Sci. \_\_\_\_\_\_\_\_\_\_ yes**  **no**  **\_\_\_\_\_\_\_\_\_\_\_\_**

**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).