Gifted and Talented Research Program
Julia Bakhru & Toni Ireland
GT Resource Teachers
G/T Research Program

Courses

• Independent Research
• Intern/Mentor
• Summer Research (STEM)
## Independent Research (IR) and Intern/Mentor (IM)

<table>
<thead>
<tr>
<th>Both Courses</th>
<th>IR</th>
<th>IM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application of advanced coursework</td>
<td>• In-school</td>
<td>• Off-site</td>
</tr>
<tr>
<td>Original research in student’s area of interest</td>
<td>• Daily instruction from G/T Resource Teacher</td>
<td>• Periodic instruction from G/T Resource Teacher</td>
</tr>
<tr>
<td></td>
<td>• Professional advisor</td>
<td>• Professional mentor</td>
</tr>
<tr>
<td></td>
<td>• Typically grades 10, 11, and 12</td>
<td>• Grades 11 and 12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Reliable transportation</td>
</tr>
</tbody>
</table>
Summer Science Research (STEM)

Only offered at CHS
The application process the same as I/M
Class time is dedicated to individual work

- Students must commit to working at a mentor site (lab, hospital, college campus, etc.) for the summer
- The majority of the research is done during the summer

- Students will participate in science competitions during the school year
- Requires INDEPENDENCE
- Typically grades 10, 11, and 12
- Requires transportation to and from mentor site
High School G/T and AP Classes

Advanced Placement Courses
- Computer Science
- English
- Fine Arts
- Mathematics

G/T Research Courses
- Intern/Mentor Program
- Independent Research

College Level Offerings

Rigorous and Challenging High School G/T and Honors Content Area Classes
G/T Research Mission

Empower students to contribute to the larger community by applying, creating, and evaluating knowledge in a specialized area of study.
Research Process

• Study an area of interest as would a professional in the field of study.
• Collaborate with a practicing professional who serves as a project advisor or mentor.
• Identify a gap in the existing information, representing a problem to be solved or an issue to be addressed.
Research Process

- Formulate an original research question to guide the primary research study.
- Conduct primary research using the research designs and methodologies of practicing professionals.
Research Process

• Write a college-level research-based paper that synthesizes the research.

• Develop an authentic product related to the research.
Research Process

• Communicate the results of creative achievements to appropriate audiences through oral presentations, visual presentations, and writing.
Benefits of the G/T Research Program

• Gain experience conducting college-level research.
• Apply advanced-level skills in writing, presentation, and research.
• Demonstrate real world application and development of knowledge.
Benefits of the G/T Research Program

• Interact or work with professionals and adult experts.
• Contribute an idea that will benefit the common good and take action to implement it.
• Apply time management skills and independent learning.
A few words from two of our **AMAZING** students . . .

• Farah Helal
• Simar Dhillon

Thank you to the following students:

• Armaan Bhasin
• Vennela Chatla
• Seth Crumley
• Joshua Dayie
• Simone Page Gilmore
• Inayat Jain
• Ajit Mehrotra
• Joanna Park
• A.T.
• Olivia Wang

For sharing their research and helping us out tonight!
Application Process

• Complete application for G/T Research Courses.
• Obtain **two** teacher recommendations.
• Interview with G/T Resource Teacher regarding areas of interest and potential mentorships.
• Available online or in our classroom (901)
Create your own success story...

What happens next is up to you!
Contact Information:

Julia Bakhru  
julia_bakhru@hcpss.org or
Toni Ireland  
toni_ireland@hcpss.org  
or call 410-203-9810

*If you’re interested in mentoring a student, we would LOVE to hear from you!