



**Howard
County**
Public School System

**Gifted
and
Talented
Research
Program**



**GIFTED &
TALENTED**

EDUCATION 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)

Both Courses

Application of advanced coursework

Original research in student's area of interest

IR

- In-school
- Daily instruction from G/T Resource Teacher
- Professional advisor
- Typically grades 10, 11, and 12

IM

- Off-site
- Periodic instruction from G/T Resource Teacher
- Professional mentor
- Grades 11 and 12
- Reliable transportation

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
- Science
- Social Studies
- World Languages

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.



A large graphic of a lightbulb. The bulb part is a network of interconnected circles containing various educational icons: a globe, a laptop, a microscope, a DNA helix, a person running, a person with a magnifying glass, a person with a telescope, a person with a book, a person with a graduation cap, a person with a speech bubble, a person with a musical note, a person with a gear, a person with a water molecule (H2O), a person with an atom, a person with a beaker, a person with a bus, a person with a ruler, a person with a plus sign, a person with a pair of scissors, a person with a lightbulb, a person with a gear, a person with a water molecule (H2O), a person with an atom, a person with a beaker, a person with a bus, a person with a ruler, a person with a plus sign, a person with a pair of scissors. The base is a black screw-in base.

- 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.



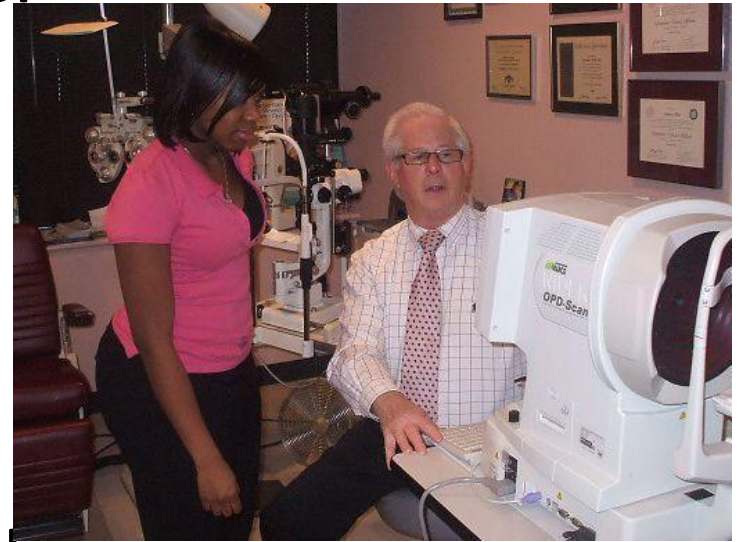
Research Process

- Communicate the results of creative achievements to appropriate audiences through oral presentations, visual presentations, and writing.



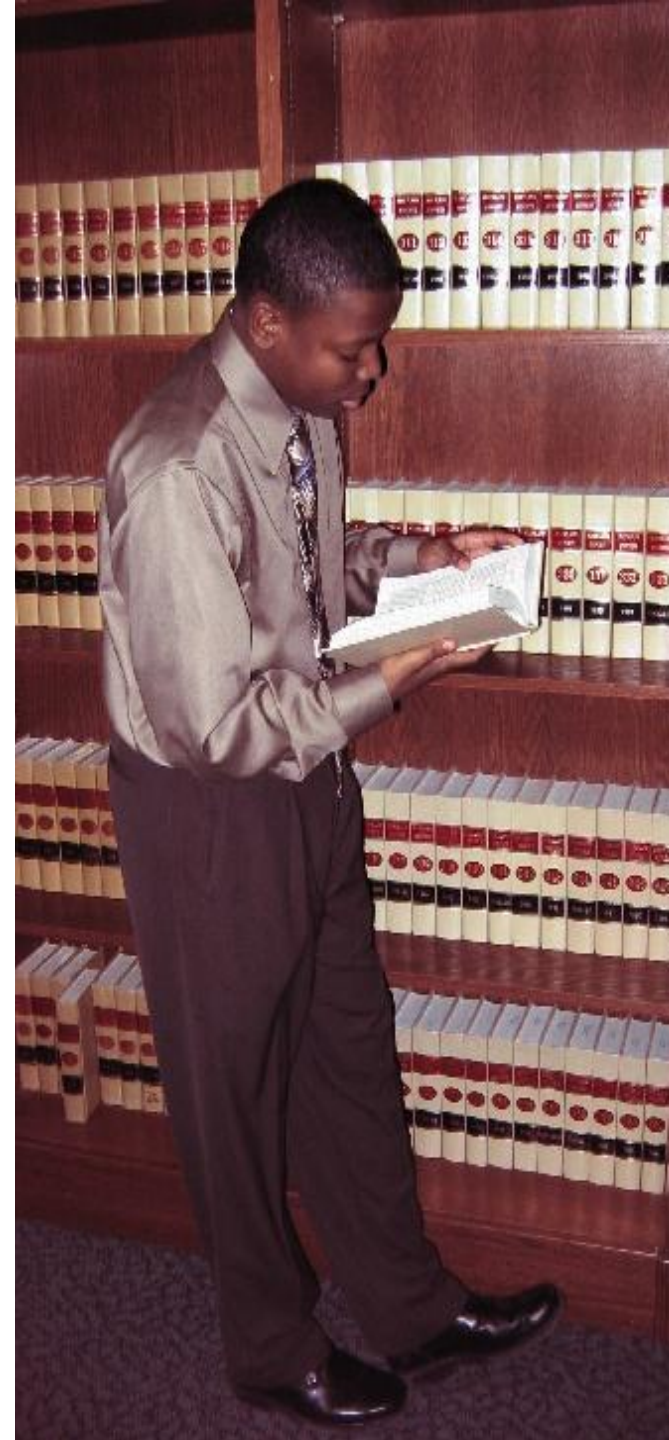
Benefits of the G/T Research Program

- 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)

Gifted and Talented Independent Research Program Application High School

APPLICATION DEADLINE:

Carefully read and complete this form. Please TYPE or PRINT using blue or black INK.

STEP 1: Student Information

Student: _____ Phone: _____

Address: _____ Email: _____
Cell Phone: _____

Grade Level for (Circle one) 9th 10th 11th 12th

Current Student Schedule

Period One: _____ Teacher: _____ Rm: _____

Period Two: _____ Teacher: _____ Rm: _____

Period Three: _____ Teacher: _____ Rm: _____

Period Four A: _____ Teacher: _____ Rm: _____

Period Four B: _____ Teacher: _____ Rm: _____

Period Five: _____ Teacher: _____ Rm: _____

Period Six: _____ Teacher: _____ Rm: _____

STEP 2: Area(s) of Interest

Participation in the Independent Research course requires you to produce an original investigation or creative production based on college-level research. You do not need to have a project in mind at this point, but in order for your application to be considered, you must identify a **tentative**, general area(s) of interest at this time. The area(s) of interest may be changed at a later date.

Area(s) of interest: _____

Write a well-developed paragraph that addresses why you indicated the area of interest and what you bring to this topic in the way of background. Please attach the paragraph to this application packet.



**Howard
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*Create your own
success story...*

What happens next is up to you!





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Contact Information:

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Toni Ireland
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or call 410-203-9810



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

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