

High School
G/T Research Program
*Create Your Own
Success Story...
What Happens Next
is Up To You*

Dr. Kiehl
Reservoir High
School



G/T Research Mission

The High School Gifted and Talented Research courses empower students to contribute to the larger community by applying, creating, and evaluating knowledge in a specialized area of study.

G/T College-Level Research Courses

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

What's the difference between IR and Intern/Mentor?

- ◆ IR happens at school in a classroom; IR students get extensive instruction from Dr. Kiehl.
- ◆ Intern/Mentor happens at an internship site outside of school where students get hands-on experience with an adult expert. Dr. Kiehl provides periodic direct instruction.
 - Applying for Intern/Mentor is more complicated/competitive; the course is recommended for 12th graders, but very mature 11th graders are also invited to apply.

G/T Program versus G/T Courses

- ◆ G/T Program
 - Specific set of courses, namely Independent Research and Intern/Mentor
 - Students can explore one aspect of their interest in great depth
 - Most students apply the content from their G/T or AP courses.
 - Student-designed
- ◆ G/T Courses
 - Accelerated work connected to a specific discipline or curriculum
- ◆ AP Courses
 - Advanced Placement Courses that allow students to sit for AP tests – can result in college credits based on score

Who should take these courses?

- ◆ 10-12th graders preparing for college, science fair competitions, DECA meets, etc.
- ◆ 10-12th graders with a talent/hobby to develop
- ◆ 10-12th graders with a service project in mind
- ◆ 10-12th graders who want to explore or prepare for a particular career
- ◆ 10-12th graders who want time to go into more depth on a topic already covered in another class
- ◆ 10-12th graders who are part of an Academy and want to get a more focused or hands-on experience

Benefits of These College-Level Research Courses

- ◆ To gain experience with conducting college-level research while in high school
- ◆ To follow a personal quest of inquiry and discovery
- ◆ To apply advanced-level skills in writing, presentation, and research as would an undergraduate in college
- ◆ To have the opportunity to consume and produce knowledge

Research Process

- ◆ Study an area of interest by reading scholarly journals as would a professional researcher in the field of study.
- ◆ Collaborate with a practicing professional in the field of study 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.
- ◆ Formulate an original research question to guide the primary research study.

Research Process

- ◆ Write a college-level research-based paper that synthesizes knowledge of the research topic.
- ◆ Develop and run a research project.
- ◆ Create a product that communicates the results of the research process.
- ◆ Communicate the results of creative achievements to appropriate audiences through oral presentations, visual presentations, and writing.

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Student Voices and Examples



Logistical Considerations: G/T Independent Research and G/T Intern Mentor Program

Students must demonstrate:

- ◆ Sustained interest and enthusiasm for chosen field of study
- ◆ Commitment to the research process
- ◆ Willingness to collaborate with G/T Resource Teacher and Project Advisor/Mentor.
- ◆ Ability to work independently on tasks and manage time.

Logistical Considerations: G/T Intern Mentor Program

- ◆ Flexibility of schedule to accommodate extra-curricular activities and mentor placement
- ◆ Availability of mentor in chosen field of interest
- ◆ Ability to interact appropriately with adults in a professional environment
- ◆ Reliable transportation and car insurance
- ◆ Health Insurance

How do students register for Independent Research?

- ◆ Fill out a “Statement of Interest Form” and turn it in by January 29!
- ◆ Give two teachers recommendation forms.
- ◆ Put IR on your schedule.
 - Have Dr. Kiehl sign your schedule at the Electives Fair on 1/8!
 - Student Services will be alerted when the selection process is complete.
- ◆ Dr. Kiehl will notify you of your acceptance by the end of February/ early March.

How do students register for the Intern/Mentor Program?

- ◆ Complete and return an application by *January 29*.
 - Application Form with signatures
 - Essays
 - Resume
 - Two teacher recommendations
 - Transcript form to Registrar
 - Interview with Dr. Kiehl (schedule on door of #216) – done in February
- ◆ Put I-M on your schedule.
 - Have Dr. Kiehl sign your schedule at the Electives Fair on 1/8!
 - Student Services will be alerted when the selection process is complete.
- ◆ Dr. Kiehl will notify you of your acceptance once all interviews are completed (end of Feb/early March).

Questions?

- ✓ Email Dr. Kiehl at mkiehl@hcpss.org
- ✓ Call Dr. Kiehl at 410-888-8850 and leave a message with the school's secretary
- ✓ Check out the RHS G/T program webpage: <http://www.rhsgt.com>
- ✓ Students can find Dr. Kiehl in room 216.