



MONTGOMERY COUNTY PUBLIC SCHOOLS

Science, Mathematics, Computer Science Magnet Program

MONTGOMERY BLAIR HIGH SCHOOL

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MAGNET RESEARCH AGREEMENT

Between

Montgomery Blair Magnet Program, Student Investigator of the Research Project, Mentor, Research Coordinator, and Parent

Introduction

This agreement between the Blair Magnet Program and the student research investigator is effective for the second semester of the student's junior year through the student's senior year.

ARTICLE I – STUDENT RESPONSIBILITY

- A. The student will keep a daily journal describing the events(s) of the day. It will include data not recorded on a computer database as well as time on task, where time includes reading, bona fide “think time”, writing, interviews, phone calls, and general research of the topic. The student will also write a synopsis of the daily happenings. Dates and time spent are to be placed in the left-hand margin.
- B. The student will make every effort to complete the laboratory component of the research before November.
- C. The student will complete a scientific research paper during the first semester of the 2009-2010 school year. Students should discuss the scientific paper with their mentors before they write and while they are engaged in the process. Mentors should critique the paper for concepts and content during this process.
- D. The student will prepare a project poster and give a **formal, multi-media, oral presentation** on the Research Convention Days during their senior year. Participation in the Research Convention is mandatory.
- E. The student is receiving school credit. Thus, the Magnet Research Project does not qualify for Student Service Learning hours. Although some research positions do include a stipend, a position with a stipend is not guaranteed.

ARTICLE II - STUDENT CONDUCT CODE

- A. The student shall be considered in violation of the SRP Student's Rights, Responsibility and Conduct (SRRC) if any of (but not limited to) the following should arise:
 1. lack of academic diligence
 2. violation of any of the Student Code of Conduct outlined in the Student Handbook
 3. conduct that violates the research institutional codes
- B. The student and legal guardian will be advised of the problem and the student will appear before a panel consisting of teachers and administrators to review the situation.
 1. The student will have adequate time to consult with a representative or ask a representative to attend the meeting.
 2. Failure to attend the meeting could result in removal from SRP.
- C. The panel will determine the specific course of action to be taken. The action may include (but not be limited to) the following:
 1. panel recommendation to improve study habits reinforced by a student signed contract with consequences outlined
 2. panel recommendation to change specific behavioral patterns with the consequences outlined
 3. expulsion from SRP

- D. The student may appeal the panel decision to the school principal by submitting a timely, well written letter outlining his/her position. A decision regarding the appeal will be made in a timely manner.

ARTICLE III – RESEARCH COORDINATOR RESPONSIBILITIES

- A. The research coordinator will have a personal conference with the student investigator a minimum of 3 times per semester.
- B. The research coordinator will maintain contact with the mentor in order to become better acquainted with the student's work and to facilitate the paper writing process.
- C. The research coordinator will serve as an ombudsman for any problems the student might encounter in the progress or process of his/her investigation. Serious or complicated problems will be presented to the Coordinator of the Blair Magnet Program and/or the Coordinating Committee for Research Projects.
- D. Permission forms are to be renewed each semester and given to the research coordinator before a student may assume his/her role in a laboratory. These forms include permission to leave MBHS campus and a copy of parking permits. It may also include any forms requested by the institution's personnel office for which the student is working, any special volunteer form that the U.S. Government has for a student to be insured while on the premises of the research center, a copy of the student's current transcript, and the forms required by the International Rules for Pre-college Science Research.

ARTICLE IV. PROJECT COMPLETION AND COMPETITION ENTRY

- A. In order for a student to qualify for SRP credit plus a magnet research seal on the high school diploma, the research project must be completed by the end of first semester 2009, and the student must participate in the Magnet Convention. Exceptions will be granted only by permission of Mr. Dennis Heidler, Magnet Coordinator.
- B. For students who desire to enter their research project in a competition, the school will be responsible for mailing or taking the project to the Siemens Westinghouse Science and Technology Competition, the Intel Science Talent Search, the Junior Science and Humanities Symposia, and the Intel International Science and Engineering Fair offices if the student has met all class due dates and deadlines. Otherwise, it is the responsibility of the student to deliver the entries.

ARTICLE V – PARENT RESPONSIBILITIES

- A. The parent or guardian needs to grant permission to the student to leave school property if the student's project work is at another site.
- B. The "Research Project", a special privilege for Montgomery Blair Magnet students, is a unique course indicating a specific level of sophistication in the student's progress as a science student. It does require sacrifice, adjustment of family schedules to accomplish all of the details, and the student's own transportation. The student's project schedule and deadlines should be discussed at home and every effort should be made to accomplish the intended goals. Parents are encouraged to read the student's journal if they wish to know more about the student's daily progress.
- C. The Magnet Research Convention is the culminating activity of the Magnet Research Project. If, for any reason, a student is unable to participate in the Research Convention, the Research Coordinator must be notified in advance.

ARTICLE VI – MENTOR RESPONSIBILITIES

- A. The mentor will provide guidance in preparing the student for his/her research project, scientific expertise to aid the student in the execution of the project, and guidance in the scientific paper writing process.
- B. The mentor will document the laboratory research by signing the student's summer journal at the end of the summer internship.
- C. The mentor will complete an evaluation form that will count for 40% of the student's first quarter grade for the first semester of the senior year.

After Articles VII and VIII are completed and student, parent/guardian, and mentor signatures are obtained, return this page to Ms. Ragan.

Student Researcher Name _____

ARTICLE VII – MENTOR INFORMATION

Mentor Name: _____ Phone: _____
Mailing Address: _____ Fax: _____
_____ Email: _____

Please provide a brief description of the investigation to be completed by the student:

ARTICLE VIII – PERMISSION TO LEAVE CAMPUS FOR AN OFF-CAMPUS INTERNSHIP

_____ has permission to leave Montgomery Blair Magnet Program at _____ pm to go to
(Student Name)
_____ to work on an assigned research project. The transportation being used will be:
(Research Location)

Metro or Ride-On ___yes___no.
A parent will drive the student to and from the site ___yes___no
Student will drive a car ___yes___no
Other _____

Vehicle information: (If student is driving)

Vehicle License Number _____ State _____ Parking available at the Institution ___yes___no

Health Insurance Company _____ **Policy Number** _____

_____ Date _____
(Parent Signature)

ARTICLE IX - SIGNATURES

By signing below, I am agreeing to abide by the conditions of the Magnet Research Agreement.

_____ Date _____
(Student Investigator)

_____ Date _____
(Parent or Guardian)

_____ Date _____
(Mentor/Advisor/Supervising Scientist)

_____ Date _____
(Susan Ragan, Research Coordinator)

_____ Date _____
(Dennis Heidler, Coordinator of Montgomery Blair High School Magnet Program)