

GREATER EGG HARBOR **REGIONAL** 2019-20 MAGNET PROGRAMS



Absegami



Cedar Creek



Oakcrest

Greater Egg Harbor Regional High School District Magnet Programs

The Greater Egg Harbor Regional High School District offers two Magnet Programs in each of its three high schools. Each Magnet Program offers a specialized curriculum across the four years of a student's educational experience. Incoming ninth graders residing in the Greater Egg Harbor Regional High School District are eligible to apply for admission to Magnet Programs offered at Absegami, Cedar Creek, and Oakcrest High School. Enrollment in the Air Force Junior ROTC program in Aerospace Science and Leadership at Oakcrest High School is open to district students in grades nine through 12.

Please read through this brochure to become familiar with the Magnet Programs and application process. Courses listed are subject to periodic review and revisions.

Should you have any questions, please contact Ms. Jennifer Rushton, Director of Curriculum, Instruction, and Assessment, at jrushton@gehrhsd.net.

Online application available on

October 13, 2018

Application deadline:

December 14, 2018



COMPUTER SCIENCE AND NETWORK TECHNOLOGY

ABSEGAMI HIGH SCHOOL



Invent the future, change the world! Absegami's Project Lead the Way Computer Science program is a project based curriculum where students identify problems that exist in our world and create solutions for them. Students will develop communication, leadership, and management skills, and explore the many career possibilities in computer science.

Computing knowledge prepares people for multiple careers. In fact, over 70 percent of "computing" occupations are outside of the information technology industry: information services, financial services, professional and business services, government and public education services, and a growing number in manufacturing. There are more computing jobs than qualified people to fill them in the United States. The Bureau of Labor Statistics projects growth rates between 11% and 37% in computing and information technology occupations through 2022. The College Board states studying AP Computer Science can open the pathway to 130 career areas and 48 college majors. (Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Computer and Information Research Scientists, on the Internet at <https://www.bls.gov/ooh/computer-and-information-technology/computer-and-information-research-scientists.htm> (visited July 10, 2017).

COURSES

- YEAR 1: Honors Computer Science Essentials
- YEAR 2: Honors Computer Science Principles*
- YEAR 3: Honors Computer Science A*
- YEAR 4: Honors Cybersecurity

*These may also be taken as Advance Placement courses with additional requirements

Mr. Ronald Schmid	Mrs. Megan Potter	Absegami High School
609-652-2473 Ext. 3995	609-652-2473 Ext. 3965	201 S. Wrangleboro Rd
rschmid@gehrhsd.net	mpotter@gehrhsd.net	Galloway, NJ 08205
www.absegami.net		

HOMELAND SECURITY AND PUBLIC SAFETY

ABSEGAMI HIGH SCHOOL



Absegami's Homeland Security and Public Safety Magnet program focuses on the security, planning, logistics, and operational details of homeland security and public safety. Students investigate mock crime scenes, conduct lab experiments, and delve into law enforcement and its history while learning about federal, state, and local governmental agencies that work to protect the United States. Students also explore

national and international security issues, disaster preparedness, and terrorism. The program prepares students for work and college following graduation. Law enforcement, cyber security, forensics, and prevention and response, are just a few of the exciting careers the program highlights.

In addition to the excellent teachers of the program, students will be exposed to a host of interesting guest speakers currently working in the field of homeland security. Students of the program will also be afforded the opportunity to take a series of field trips during the four year course sequence. The goal, supported by field trips and guest speakers, is for the students of the magnet to be exposed to a wide variety of possible career paths.

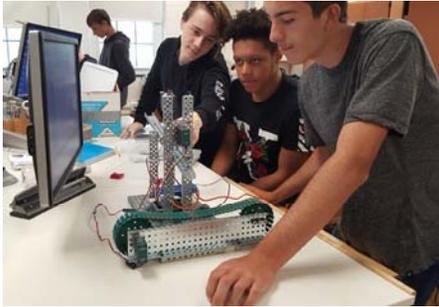
COURSES

- YEAR 1: Homeland Security 1
- YEAR 2: Crime Scene Investigation
- YEAR 3: Honors Law and Criminology
- YEAR 4: Homeland Security 2

Mr. Brian Aron	Absegami High School
609-652-2473 Ext. 3915	201 S. Wrangleboro Rd
baron@gehrhsd.net	Galloway, NJ 08205
www.absegami.net	

ENGINEERING

CEDAR CREEK HIGH SCHOOL



Cedar Creek’s Engineering Magnet runs in conjunction with nationally accredited Project Lead the Way. Students explore activities-based, project-based, and problem-based learning. The program’s innovative Pathway to Engineering courses engage students in real-world challenges, sharpen their collaboration and thinking skills, and prepares students for

college majors in engineering and emerging technology fields.

Our aspiring engineers will design and develop an original solution to an open-ended technical problem in a capstone course during their final year in the program. They will work in close collaboration with industry professionals to build and test their solutions and present and defend them to a panel. Students in the program will have the opportunity to earn college credits for select courses.

COURSES

YEAR 1: Honors Introduction to Engineering Design

YEAR 2: Honors Principles of Engineering

YEAR 3/4: Honors Digital Electronics

Honors Environmental Sustainability

AP Computer Science Principles

Honors Engineering Design and Development

Kelly Slingerland
609-593-3560 Ext. 4092
kslingerland@gehrhsd.net

Cedar Creek High School
1701 New York Ave
Egg Harbor City, NJ 08215

www.cedarcreekhs.net

ENVIRONMENTAL SCIENCE

CEDAR CREEK HIGH SCHOOL



Cedar Creek’s Environmental Magnet builds strong foundations in ecology, geology, geography, sociology, and biology, with an emphasis on fieldwork and other practical experiences. Students develop skills in ecological observation, sampling, data collection, and analysis and apply their knowledge in advanced lab work and extensive study of human population and economic growth. Students interact with professionals in the field, local and state agencies, and participate in field trips and academic competitions. Coursework for this program is equivalent to a first-year environmental studies college major. Students in the program will have the opportunity to earn college credits for select courses.

COURSES

YEAR 1: Environmental Ecology and Sustainability

YEAR 2: Environmental Systems and Sustainability

YEAR 3/4: Honors Marine and Wildlife Science*

Honors Environmental Sustainability*

AP Environmental Science*

Honors Engineering Design and Development (Year 4 only)

***Must take at least one each year**

Kelly Slingerland
609-593-3560 Ext. 4092
kslingerland@gehrhsd.net

Cedar Creek High School
1701 New York Ave
Egg Harbor City, NJ 08215

www.cedarcreekhs.net



BIOMEDICAL SCIENCE

OAKCREST HIGH SCHOOL



Oakcrest's Biomedical Science Magnet program runs in conjunction with nationally accredited Project Lead the Way. PLTW's Biomedical Science sequence allows students to study the concepts of human medicine, physiology, genetics, microbiology,

and public health. Through activities like dissecting a heart, students play the role of biomedical professionals and examine the processes, structures, and interactions of the human body. They explore the prevention, diagnosis, and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21st Century, such as fighting cancer with nanotechnology. Throughout the program, students will learn strong teamwork and communication practices and develop organizational, critical-thinking, and problem-solving skills. Along the way, students investigate a variety of careers in biomedical science.

COURSES

- YEAR 1: Principles of Biomedical Science**
- YEAR 2: Human Body Systems**
- YEAR 3: Medical Interventions**
- YEAR 4: Biomedical Innovation**



Oakcrest High School
1824 Dr. Dennis Foreman Drive
Mays Landing, NJ 08330

Ms. Michelle Mesghali
609-909-2600 Ext. 2638
mmesghali@gehrhsd.net

www.oakcrest.net

AIR FORCE JUNIOR ROTC IN

AEROSPACE SCIENCE AND LEADERSHIP

OAKCREST HIGH SCHOOL



Oakcrest's Air Force Junior ROTC program in Aerospace Science and Leadership instills responsibility, character and self-discipline through education and instruction in air and space fundamentals and the Air Force's core values of Integrity First, Service Before Self, and Excellence In All We Do. Students build upon skills in leadership, self-confidence, and discipline—qualities necessary to thrive in any career—while learning military history, customs and courtesies, and drill and ceremonies.

High School students who complete at least three years in the program may be able to enter any branch of the military at a higher pay grade than most enlistees. College-bound students can compete for an Air Force Academy nomination or an Air Force ROTC scholarship through their Air Force Junior ROTC unit. Oakcrest's Air Force Junior ROTC in Aerospace Science and Leadership is a four-year program offered to District students in grades nine through 12. Participants in this program are in no way obligated to join the military upon graduation.

COURSES

- | | |
|--|---|
| <p>YEAR 1: JROTC 1 (1st Year Cadets, 9-12)
 AS:100 Journey into Aviation History
 LE:100 Traditions, Wellness and Foundations of Citizenship Wellness, Drill and Ceremonies</p> | <p>YEAR 3: JROTC 3 (3rd Year Cadets, 11-12)
 AS:220 Cultural Studies: An Intro to Global Awareness
 LE:300 Life Skills and Career Opportunities Wellness, Drill and Ceremonies</p> |
| <p>YEAR 2: JROTC 2 (2nd Year Cadets, 10-12)
 AS: 200 The Science of Flight: A Gateway to New Horizons
 LE: 200 Communication, Awareness and Leadership Wellness, Drill and Ceremonies</p> | <p>YEAR 4: JROTC 4 (4th Year Cadets, 12)
 AS: 400 Management of Cadet Corps
 LE: 400 Principles of Management Wellness, Drill and Ceremonies</p> |

Oakcrest High School
1824 Dr. Dennis Foreman Drive
Mays Landing, NJ 08330

Mr. James Reina
609-909-2600 Ext. 2601
jreina@gehrhsd.net

www.oakcrest.net

MAGNET APPLICATION PROCESS

Step 1– Review application process

- Read the magnet brochure and admissions process carefully or visit the District website at www.gehrhsd.net.

Step 2– Select programs of interest

- Attend the open house.
- Call the guidance department to schedule a shadowing day of the program of interest.
- Consider admission requirements, student's interest, talents, and abilities.
- Consider geographic location of the magnet program school and distance from the student's home.

Step 3– Complete the application and its components

- Read and follow all directions carefully. Be sure to complete each section of the magnet application accurately with the correct contact information, phone numbers, and email addresses.
- Select a first and second choice. **Be sure your choices are in the order of your preference and are correct before you submit your application.**
- Submit required report cards and standardized test scores.
- Ensure the parent consent form has been downloaded and either emailed, faxed (609-625-0045), or hand delivered to the district office at 1824 Dr. Dennis Foreman Drive, Mays Landing, NJ.

Step 4– Submit Application

- Application is due by December 14, 2018.

ADMISSION REQUIREMENTS FOR MAGNET AND JUNIOR ROTC PROGRAMS

Magnet Programs Other than JROTC

Admission to the Greater Egg Harbor Regional High School District Magnet Programs is competitive and only open to incoming ninth grade students residing in the district. Students may apply to two magnet programs.

Admissions decisions are based on the following:

- Minimum B average from all subject areas as listed on the final seventh grade report card, and first marking period of the eighth grade report card. Parents must provide copies of report cards.
- Completed teacher recommendation forms.
- Demonstrate proficiency on standardized assessments.

Air Force Junior ROTC in Aerospace Science and Leadership Program

Admission to the Greater Egg Harbor Regional High School District Air Force Junior ROTC in Aerospace Science and Leadership program is open to students in grades nine through 12 who reside in the district.

Admission is based on the following:

Incoming ninth-graders

- Passing grades in all subject areas as listed on the final seventh grade report card, and first marking period of the eighth grade report card. Parents must provide copies of report cards.
- Two personal references.

Current district students

- A review of last year's report card and conduct records.

All Programs

- Review of academic records, including standardized test scores.
- Personal Statement from the student stating why the student is interested in a particular magnet program.
- Parent consent form authorizing student's magnet application and release of academic records.
- Number of available seats in the program.

ADMISSION REQUIREMENTS FOR MAGNET AND JUNIOR ROTC PROGRAMS

Completed Applications Must Include:

- A completed online application
- Copies of the student's seventh-grade and first marking period-eighth grade report card.
- A signed parent consent form.
- A personal statement prepared by the student.
- Standardized test scores.

The Application Review Committee will recommend students for programs based the student's grades, test scores, personal statement and recommendations. Incomplete applications and applications submitted after the deadline will not be considered.

All applicants will be notified of acceptance status in January 2019.

Please note:

- Students accepted into their first choice magnet program will not be considered for acceptance into their second choice. **Be sure your choices are in the order of your preference and are correct before you submit your application.**
- Academic expectations for magnet program courses are high. To remain in a magnet program, students must pass all magnet program courses. Should a student not pass a magnet program course, the student will return to his or her school of residence.

GRADUATION REQUIREMENTS

1. Four credit years of English (20 credits)
2. Three credit years of Mathematics including Algebra 1, Geometry, and a math course that builds upon the concepts and skills of Algebra and Geometry (15 credits)
3. Three credit years of Social Studies including United States and New Jersey History as required by N.J.S.A. 18A:35-1 and 35-2 and further including one credit year of World History and Cultures (15 credits)
4. Three credit years of a Lab-Science including Biology and two additional credit years in laboratory/inquiry-based sciences such as chemistry, environmental science, or physics (15 credits)
5. One credit year of World Language (5 credits)
6. One credit year of Physical Education, Health, and Safety for each year of enrollment, as required by N.J.S.A. 18A:35-5,7&8 (5 credits)
7. One credit year of Visual and Performing Arts (5 credits)
8. One credit year of Career education and Consumer, Family, and Life Skills, or Vocational-Technical education (5 credits)
9. A half credit year in Financial, Economic, Business and Entrepreneurial Literacy (2.5 credits)

In addition to earning 120 credits in the course work listed above, students must meet NJ State mandated assessment requirements. For the class of 2023, the state currently requires students to pass PARCC Algebra 1 and English Language Arts 10.

FREQUENTLY ASKED QUESTIONS

What are Magnet Programs?

Magnet programs are theme-based programs which provide in-depth experiences and distinct choices for students with specific interests, talents, and aptitudes. Students complete a series of specialized courses focused on a magnet topic over their four years of high school.

Who can apply?

Any student who is a resident of the Greater Egg Harbor Regional High School District may apply for admission to any of the district's six magnet programs. With the exception of the Air Force JROTC program, students must enter the program in ninth grade.

Can I apply to more than one magnet program?

Students may apply to two magnet programs, but must indicate a first and second choice. Should the student be admitted to his or her first choice, the second choice application will not be considered.

How do I apply for a magnet program?

Visit the District website at www.gehrhsd.net to complete an online application.

How will I know my application was received?

Applicants will receive an email confirmation of receipt of the application.

When are Magnet applications due?

Completed applications are due no later than December 14, 2018.

What must I submit in order for my application to be complete?

For all programs, students must complete an online application. Applicants to all programs, except Air Force Junior ROTC, must provide email addresses of a seventh or eighth-grade language arts or social studies teacher, and a seventh or eighth-grade math or science teacher. Teachers will receive an email with a student recommendation form to complete. Students applying to the Air Force Junior ROTC program must provide the email addresses of two personal references. The district must also receive a copy of the seventh grade and first marking period of the eighth grade report card of an incoming ninth grader. Standardized test scores are required.

What standardized test scores will the district accept?

The district will accept PARCC scores, Scholastic Math Inventory, Scholastic Reading Inventory, or other scores received from standardized tests administered by the student's school.

FREQUENTLY ASKED QUESTIONS

What is the admission criteria for the magnet programs?

Each component of the student's application receives a point value. Points are then totaled and students are admitted based on total point value and number of seats in the program. The exception to this is the Air Force Junior ROTC program. Students admitted to this program must meet proficiency requirements as determined by grades and test proficiency.

Do siblings of students currently enrolled in high school magnet programs get preferential acceptance?

No.

How and when will I be notified of acceptance into a magnet program?

All applicants will be notified of acceptance status in January 2019.

Does the district provide transportation if the magnet program is not in my home school?

Yes, the district provides transportation for all magnet program students. Please note, the length of the bus ride may be longer than the ride to the student's home school.

If I apply to two programs, can I be accepted to both?

No. Students accepted into their first choice magnet program will not be considered for acceptance into their second choice. **Be sure your choices are in the order of your preference and are correct before you submit your application.**

What is the waiting list and how does it work?

Due to limited seats in each program, we begin by offering acceptance to the top students who qualify for admission. Not all of those students will choose to enroll. Therefore, we offer other students who meet all of the standards for acceptance a place on the waiting list. As students make their choices to attend or not, we invite students from the waiting list to attend. Because this is a fluid process, we cannot tell you what your likelihood of being accepted is. We encourage you to make decisions based on your interests.

What happens if I am not accepted to any program?

You will attend your home school. All of our high schools offer a variety of courses that will meet your interests and abilities.

PLEASE NOTE: Admission to the magnet programs in the Greater Egg Harbor Regional High School District is only open to students residing in the district.

IMPORTANT DATES

Saturday Open House Dates

Oct. 20, 2018
10 a.m.-1 p.m.

Absegami High School

201 S. Wrangleboro Rd
Galloway, NJ 08205

Oct. 13, 2018
10 a.m.-1 p.m.

Cedar Creek High School

1701 New York Ave
Egg Harbor City, NJ 08215

Sep. 29, 2018
10 a.m.-1 p.m.

Oakcrest High School

1824 Dr. Dennis Foreman
Drive, Mays Landing, NJ 08330

Magnet Application Dates

Oct. 13, 2018 Magnet application opens

Dec. 14, 2018 Magnet application due

January 2019 Magnet acceptance letters mailed