

# Baltimore County Public Schools High School Magnet Programs

Apply online at the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet))



DALE  
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Apply Online at  
[tinyurl.com/MagnetBCPS](http://tinyurl.com/MagnetBCPS)  
from 12 noon, September 16, 2020,  
until 1 p.m., November 6, 2020.



Scan here to  
apply online.

Application Deadline:  
**FRIDAY, NOVEMBER 6, 2020**  
All applications must be submitted  
by the above date.

Please keep this brochure as a reference  
throughout the application cycle.

# Frequently Asked Questions

## What are magnet programs?

Magnet programs are theme-oriented programs that must be accessed through the magnet application process. They provide in-depth experiences and distinct choices for students with different interests, talents, and aptitudes. All magnet programs fulfill Baltimore County Public Schools' requirements for promotion and graduation.

## Who may apply to high school magnet programs?

Students who are eligible to attend a Baltimore County public high school may apply. *All programs have entry grade-level restrictions (see page 4).*

Students who are homeless are entitled to apply to a magnet program just as any other student.

## May I select more than one magnet program on the application?

Yes. Please submit only one (1) application per applicant. You may select up to three (3) programs on the application. Mark your selection(s) carefully. Please be aware of entry grade-level restrictions. (See page 4.)

## May I fax or e-mail my application?

No. Applications are to be **submitted online by 1 p.m. on November 6, 2020, via the magnet online application web site.**

## How will I know that my application was received?

Online applicants will receive an e-mailed confirmation of receipt.

## May I change my program selection(s)?

**ANY** changes in program selection(s) **MUST** be made online **by 1 p.m. on the application deadline, November 6, 2020.**

**Students have access to Special Education and Section 504 support services in all schools with magnet programs.**

## If I am currently on a wait list for a high school magnet program, do I need to re-apply?

All students seeking admission to a magnet program for the 2021-2022 school year, including those on a wait list for the 2020-2021 school year, must apply. *All programs have entry grade-level restrictions (see page 4).*

## Do students currently enrolled in middle school magnet programs get preferential placement?

No. All students who are eligible to apply to high school magnet programs receive equal consideration in the application process.

## Do siblings of students in high school magnet programs get preferential placement?

No. Siblings, including multiples, are not a factor in high school magnet program placements.

## How does a student become eligible for a magnet program placement?

Applicants must be eligible to attend Baltimore County Public Schools, must submit a complete application by the deadline date, and must attend the magnet assessment for each program selected on the application. Admission decisions for most high school magnet programs include an evaluation of academic performance and a magnet assessment. Specific information about assessments will be available on the Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)) by December, 2020.

## How is academic performance evaluated?

Academic grades, current mathematics enrollment, and attendance may be reviewed. Students are awarded points for meeting established standards. **There is no weighting or special consideration given to grades received in gifted and talented classes, trimester grades, or grades that are calculated by means other than those used by the Baltimore County Public Schools.** Additional information available on the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)).

## What is the magnet assessment?

Most schools conduct assessments that are specific to each magnet program and may include an audition, practicum, interview, writing sample, test and/or performance assessment and may require prior preparation. Information regarding the assessments for specific programs will be available on the Magnet Programs' Web site by December 2020. **It is the responsibility of the parent to obtain the assessment information and to ensure that the applicant completes the assessment on the scheduled date.**

## Do I need to make an appointment for the assessment?

Yes. Specific information about assessment appointments will be available on the Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)) by December, 2020.

## What if my child has documented accommodations?

Documented accommodations and modifications will be provided during the magnet assessment process. **Parents of students not attending a Baltimore County public school must submit documentation of accommodation requirements with the magnet application.**

## How are students selected for placement?

In order to be considered for placement, a student must be eligible for the magnet program. **Available seats are first filled** with priority placements. A random lottery is conducted to fill all remaining available seats and to generate a wait list. (See Superintendent's Rule 6400 for additional information.)

## How and when will I be notified of my admission status?

Parents will be notified by email of the admission decisions by March 5, 2021 (date subject to change).

**Learn More about Magnet Programs!**

**Attend an Application Information Meeting.**







Information on back cover of this brochure.

**\*Information is subject to change based on restrictions related to the COVID-19 pandemic. Please refer to the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)) for the most current information.**

# Magnet Application Process

\*Information is subject to change based on restrictions related to the COVID-19 pandemic.  
Please refer to the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)) for the most current information.

Carefully read all information in this brochure prior to completing the application.

Steps	Activity Descriptions
	<p><b>Review Application and Admissions Process</b></p> <ul style="list-style-type: none"> <li>• Read magnet brochure and application carefully. Application available online through the BCPS Magnet Programs' Web site (<a href="http://tinyurl.com/BCPSMagnet">tinyurl.com/BCPSMagnet</a>) beginning at 12 noon, Wednesday, September 16, 2020.</li> <li>• Attend an Application Information Meeting (see back cover).</li> <li>• Obtain and read Superintendent's Rule 6400: Magnet Programs.</li> </ul>
	<p><b>Select Programs of Interest</b></p> <ul style="list-style-type: none"> <li>• Consider student's interests, talents, and abilities.</li> <li>• Review magnet program descriptions.</li> <li>• Review school web sites to learn about the magnet schools and programs of interest.</li> <li>• Be aware of entry grade-level restrictions, geographic location, and transportation availability.</li> </ul>
	<p><b>Carefully Complete Application</b></p> <ul style="list-style-type: none"> <li>• Read and follow ALL directions carefully. Complete each section of the application.</li> <li>• Select no more than THREE (3) programs on the application. Mark selections carefully.</li> <li>• Submit required <b>non-BCPS</b> report card(s) and documented testing accommodations as needed (<i>ONLY for students who attend(ed) non-BCPS schools.</i>).</li> <li>• Review application to ensure it is completed correctly. <i>ANY changes in program selection(s) MUST be made online by 1 p.m. on the application deadline, November 6, 2020.</i></li> <li>• <b>Make copy of application and accompanying documents for your records.</b></li> </ul>
  <p>Scan here to apply online.</p>	<p><b>Apply ONLINE at the BCPS Magnet Programs' Online Application Web site</b>  (<a href="https://bcpsonlineapplication.com/apply/">https://bcpsonlineapplication.com/apply/</a>)  from 12 noon, Wednesday, September 16, 2020,  until 1 p.m. on Friday, November 6, 2020.</p>
	<p><b>Complete Assessment for Each Program Selection</b></p> <ul style="list-style-type: none"> <li>• Assessment information will be posted on the Magnet Programs' Web site (<a href="http://www.tinyurl.com/BCPSMagnet">www.tinyurl.com/BCPSMagnet</a>) by December, 2020.</li> </ul>

## Documented Accommodations:

Applicants who have accommodations as part of a documented educational plan (IEP, 504, EL, etc.) will be provided with the appropriate required accommodations during the assessment(s).

# High School Magnet Programs and Entry Grade Levels

Please be aware that this listing is for informational purposes only and is NOT an application.

## Chesapeake High School

Academy of Arts, Multimedia & Communications – 9  
Academy of Business & Information Technology – 9  
Academy of Leadership & Humanities – 9  
Academy of Science, Engineering & Mathematics – 9

## Eastern Technical High School

Academy of Health Professions – 9  
Building and Construction Technology – 9  
Culinary Arts – 9  
Engineering Careers – 9  
IT-Networking – 9  
Interactive Media Production – 9  
Law and Public Policy – 9  
Teacher Academy of Maryland – 9

## G.W. Carver Center for Arts and Technology

Acting – 9-11  
Carpentry Careers – 9-10  
Cosmetology – 9  
Culinary Arts – 9  
Dance – 9-11  
Design & Production – 9-11  
Digital Instrumental Music – 9-11  
IT-Computer Sci. & Interactive Media Production – 9  
Literary Arts – 9-11  
Visual Arts – 9-11  
Vocal Music – 9-11

## Kenwood High School

International Baccalaureate – 9-10  
Sports Science Academy – 9-10

## Lansdowne High School

Academy of Arts & Communications (Dance, Instrumental Music, Mass Communications, Theatre, Visual Arts, Vocal Music) – 9-10  
Academy of Health & Human Services – 9-10  
Academy of Science, Engineering & IT – 9-10

## Milford Mill Academy

Acting – 9-10  
Automotive Service Technology – 9-10  
Building and Construction Technology – 9-10  
Cosmetology – 9-10  
Dance – 9-10  
Design & Production – 9-10  
Instrumental Music (Band, Strings) – 9-10  
Literary Arts – 9-10  
Visual Arts – 9-10  
Vocal Music – 9-10

## New Town High School

International Baccalaureate – 9-10

## Overlea High School

Health Sciences – 9-10

## Parkville High School

Mathematics, Science & Computer Science (Computer Science, PLTW Engineering, Interactive Media, IT-Networking & Cyber Security) – 9  
Teacher Academy of Maryland – 9

## Patapsco High School & Center for the Arts

Acting – 9-11  
Dance – 9-11  
Design & Production – 9-11  
Instrumental Music (Band, Strings) – 9-11  
Literary Arts – 9-11  
Visual Arts – 9-10  
Vocal Music – 9-11

## Randallstown High School

Academy of Health Professions – 9  
Multimedia Communications – 9-10

## Sollers Point Technical High School

*Note: These are half-day programs ONLY.*

Academy of Health Professions – 9-10  
Automotive Service Technology – 9-10  
Baking & Pastry – 9-10  
Biomedical Sciences – 9  
Building and Construction Technology – 9-10  
Cosmetology – 9-10  
Culinary Arts – 9-10  
Diesel Truck & Power Systems – 9-10  
IT-Computer Science – 9-10  
IT-Networking & Cyber Security – 9-10

## Sparrows Point High School

Environmental Studies – 9-10

## Towson High School

Law & Public Policy – 9

## Western School of Technology and Environmental Science

Academy of Health Professions – 9  
Automotive Service Technology – 9  
Cosmetology – 9  
Culinary Arts – 9  
Environmental Science – 9  
Environmental Technology – 9  
Graphic/Print Communications – 9  
IT-Computer Science – 9  
IT-Networking – 9  
Mechanical Construction/Plumbing Careers – 9  
Sports Science Academy – 9

## Woodlawn High School

Early College – 9  
Mathematics, Science & Engineering – 9-10

# Magnet Transportation Information

Admission into a magnet program does not guarantee that transportation will be provided by Baltimore County Public Schools.

## Chesapeake High School STEM Academy

Transportation is provided for students who are zoned to attend Chesapeake, Dundalk, Kenwood, Overlea, or Patapsco High School.

## Eastern Technical High School

Transportation is provided for students who are zoned to attend Perry Hall, Parkville, Overlea, Kenwood, or Chesapeake High School.

## George Washington Carver Center for Arts and Technology

Transportation is provided for students from all areas of the Baltimore County Public Schools.

## Kenwood High School

Transportation to the Sports Science Academy is provided for students from all areas of the Baltimore County Public Schools. Transportation to the IB Program is provided for students who are zoned to attend high schools in the Northeast or Southeast areas, as well as those who are zoned to attend Loch Raven High School.

## Lansdowne High School Academy

Transportation is provided for students who are zoned to attend high schools in the Southwest or Northwest areas.

## Milford Mill Academy

Transportation is provided for students who are zoned to attend high schools in the Northwest or Southwest areas.

## New Town High School

Transportation is provided for students who are zoned to attend Catonsville, Franklin, Lansdowne, Randallstown, Milford Mill, New Town, or Woodlawn High Schools.

## Overlea High School

Transportation is provided for students who are zoned to attend high schools in the Northeast or Southeast areas.

## Parkville High School and Center for Mathematics, Science, & Computer Science

Transportation is provided for students who are zoned to attend high schools in the Northeast or Southeast areas, as well as those who are zoned to attend Loch Raven High School.

## Patapsco High School & Center for the Arts

Transportation is provided for students who are zoned to attend high schools in the Southeast or Northeast areas, as well as those who are zoned to attend Loch Raven High School.

## Randallstown High School

Transportation is provided for students who are zoned to attend Franklin, Milford Mill, Owings Mills, New Town, Randallstown, or Woodlawn High School.

## Sollers Point Technical High School

**All programs at Sollers Point are half-day.** Transportation is provided for students who will also attend Chesapeake, Dundalk, Kenwood, Overlea, Patapsco, or Sparrows Point High School.

## Sparrows Point High School

Transportation is provided for students who are zoned to attend high schools in the Southeast or Northeast areas.

## Towson High School

Transportation is provided for students from all areas of the Baltimore County Public Schools. Students transfer buses at George Washington Carver Center for Arts and Technology.

## Western School of Technology & Environmental Science

Transportation is provided for students who are zoned to attend high schools in the Southwest or Northwest areas.

## Woodlawn High School

Transportation is provided for students who are zoned to attend high schools in the Southwest or Northwest areas.



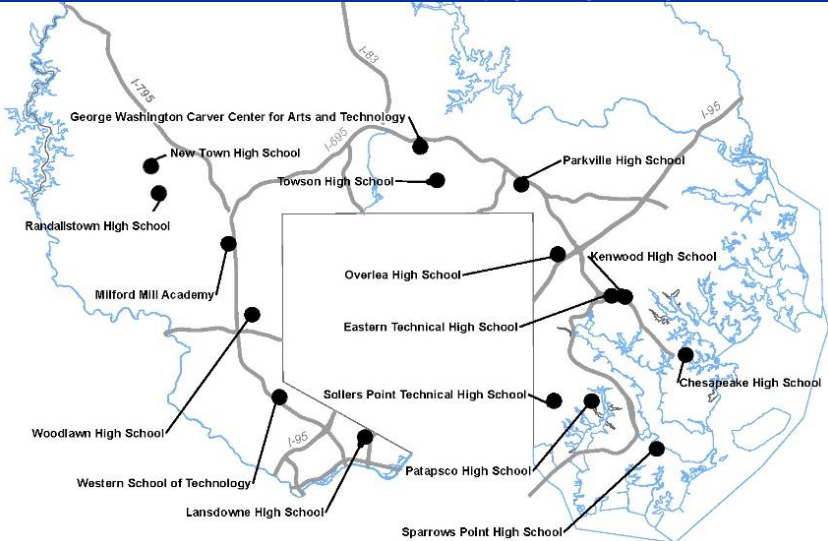
Please remember that regular and timely attendance is expected of all students enrolled in magnet programs.

### SCHOOL BOUNDARIES

Identify your zoned high school on the BCPS Web site ([www.bcps.org/apps/boundaries](http://www.bcps.org/apps/boundaries))

## Baltimore County Schools Hosting High School Magnet Programs

Geographic location and transportation availability should be considered when applying to magnet programs.



## TRANSPORTATION:

Baltimore County Public Schools provides transportation to and from high school magnet programs for students who reside within the established transportation zone of the magnet program. Transportation is provided from a limited number of pick-up points located at designated school sites. **Parents are responsible for providing transportation for their students to and from their designated pick-up point.**

NOTE: Pick-up points do not fall under the same guidelines as regular bus stops with regard to distance and walking conditions. In addition, supervision is not provided by the school system at the pick-up points.

**Transportation is not provided by Baltimore County Public Schools outside of the established transportation zone of a magnet program.**

Use your computer or mobile device to:

- Create and **submit** your application online
- Receive information updates by e-mail
- Get instant access to applicant information
- Receive admission decisions by e-mail
- Accept placement offers online



Scan here to go to the  
Magnet Programs' Web site

For additional information, please  
visit the BCPS Magnet Programs'  
Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet))  
or call (443) 809-4127.

**WARNING: Applications MUST be submitted by the parent or legal guardian. Applications submitted by the student or anyone other than the parent or legal guardian risk being disqualified.**



Submit your magnet application online  
at the BCPS Magnet Programs' Online  
Application Web site  
([bcpsonlineapplication.com/apply](http://bcpsonlineapplication.com/apply))  
from 12 noon, Wednesday,  
September 16, 2020,  
until 1 p.m., Friday,  
November 6, 2020.

## Career and Technical Education Magnet Programs

Additional program information is available at the BCPS CTE Web site ([tinyurl.com/CTEducation](http://tinyurl.com/CTEducation)).

### What are Career and Technical Education Completer Programs?

CTE completer programs provide students with BOTH relevant career skills preparation AND rigorous academic skills.

A completer program is a sequence of courses in a specific career pathway that provides a minimum of four credits in a CTE program (not individual elective courses). All completer programs are approved by the Maryland State Department of Education (MSDE), and completion of the required CTE completer credits meets MSDE graduation requirements at the high school level.

Students who successfully complete a CTE program in most career pathways are eligible for articulated community college credit. (Some CTE programs offer as many as 21 articulated [FREE] college credits!)

Students who wish to follow a CTE career completer program may pursue career paths at their comprehensive high schools or may apply to one of the **magnet career and technical programs** offered by Baltimore County Public Schools. For information about CTE programs in comprehensive schools, please contact the Office of Career and Technical Education at (443) 809-8921 or visit their Web site ([tinyurl.com/CTEducation](http://tinyurl.com/CTEducation))

# High School Magnet Programs

Additional program information is available on the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet))

## Academy of Arts & Communication

Lansdowne

- offers specialized pathways in:

**Visual Arts** – allows students to develop skills in studio art, photography, 3D design, and multimedia. Students may choose to concentrate on one or more of these art forms through advanced level courses and independent studies. Studio art includes the study of art history, drawing, painting and printmaking. Photography includes darkroom and digital approaches, as well as the history and professional applications of photography. 3D design includes ceramic sculpture and exploration of alternative mediums through independent studies.

**Mass Communications** – provides students with opportunities to acquire and develop skills in TV broadcasting, multimedia, and/or journalism. Students may elect to take courses to gain proficiency in graphic design, digital rendering, animation, Web design, and desktop publishing; work in an on-site TV studio set; and apply classroom experience in practical applications in journalism and photo journalism.

**Theatre Arts** – allows students to work in a variety of performance settings, showcase their talents, and work behind the scenes with sound, lighting, construction, set and costume design and construction, and theatre management.

**Vocal Music** – provides students with a strong choral and ensemble focus, as well as solo performances in opera and musical theatre. Students study vocal fundamentals and technique, sight reading, opera/musical theatre, acting, movement, history, and criticism and may also work with music technology, recording, and engineering.

**Instrumental Music** – allows students to develop individual talents and skills in ensemble performance, sight-reading, and music theory. Students are prepared for conducting and solo performances in advanced settings and are exposed to composing and recording technology.

**Dance** – addresses aesthetic education, dance composition, dance history, repertory, choreography, creative expression, production, performance, criticism, and connections between dance and healthy living. Ballet, jazz, modern, and student choreography are emphasized.

## Academy of Arts, Multimedia & Communications

Chesapeake

- offers specialized pathways in:

**Fine Arts**– provides opportunities for students to develop 2-dimensional and 3-dimensional works through a variety of traditional, non-traditional, and digital mediums. Courses, such as photography, clay, and AP studio are designed to develop design thinking, personal voice, and media techniques.

**Interactive Media Production \*\*** - provides students with experiences in Web site development, internet technology, computer graphics, digital media and entertainment production, and project management. Students develop skills in photo/video imagery, animation, non-linear video editing, Web page design, basic game development, and mobile/handheld application development. Students complete a professional portfolio which can be used to apply for advanced/continuing education programs and employment. Students may also earn industry certification in Adobe® Creative Suite® and Web design.

**Journalism/Communications** – provides students with a strong foundation in journalism and public speaking, with opportunities for in-depth study of broadcast journalism, technical writing, media broadcasting and editing, advertising, film analysis, public relations, and desktop publishing.

**Students have access to Special Education and Section 504 support services in all schools with magnet programs.**

**Students who are entitled to transportation as a necessary and current related service under an IEP or Section 504 Plan are eligible for transportation to a magnet school and program.**

## Academy of Business & Information Technology \*

Chesapeake

- offers specialized pathways in:

**Business Management †** – provides opportunities for students to manage and supervise activities related to the organization of a business. Students develop and implement a business plan and learn to provide effective and efficient management of business operations.

**Marketing ‡** – provides opportunities for students to strategize business activities related to selling, customer support services, and public relations. Students analyze customer markets, determine product mix, pricing, promotion, distribution, and learn public relations strategies.

**Information Technology–Computer Science †** – allows students to design, develop, and test software solutions and develop expertise in project management and programming languages, as well as introductory computer science.



**National Magnet Schools Month–  
February 2020**

**National Winner  
Magnet Schools of America  
National Poster Contest**

**Ngina R., Grade 12 - Randallstown High**

Assessment information will be available on the  
BCPS Magnet Programs Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)) by December, 2020.

# High School Magnet Programs

Additional program information is available on the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet))

## Academy of Health & Human Services

Lansdowne

- offers specialized pathways in:

### Childcare and Early Childhood Education †

- prepares students to work in fields related to the education and care of young children in early childhood settings, such as day care centers, pre-school programs, and kindergarten. Developmental stages of children, learning theories, and methods and materials of teaching young children are included in this program. Application of skills continues through working in a child development laboratory situation. The 90-hour childcare certificate issued by the State of Maryland may be earned through successful completion of this program.

**Nutrition and Food Science †** –prepares students for careers and postsecondary study in the areas of dietetics, food science and nutrition, and food service in commercial and/or institutional settings. Students explore careers related to the preparation and service of food and the planning of healthy diets. Scientific principles are applied to the study of food selection, production, preparation, and processing. Computer technology and applications are a vital component of this program.

\* This program is also available as an IB Career-related Programme at New Town High

**Army JROTC** – motivates young people to be better citizens. The program is not an army recruitment program. Students share in the vision of quality citizenship, character, and leadership as they progress through the curriculum and develop partnerships with the community and educational institutions.

### Carpentry Careers or Electrical Careers \*\*

- provides instruction and experiences related to residential and commercial applications. Students may participate in job shadowing, internships, and school-to-work programs. Students successfully completing the program are eligible for placement in the Associated Builders and Contractors' (ABC) Apprentices Program.

## Academy of Health Professions \*‡

Eastern, Randallstown, Sollers Point, & Western

- provides students with project and problem-based learning, clinical and internship experiences, and classroom and lab instruction related to the field of healthcare. Students are introduced to healthcare knowledge and skills through two foundation courses: *Foundations of Medicine and Health Science* and *Structure and Functions of the Human Body*. Students may then choose from several course combinations to complete the four-course sequence. Students may participate in a supervised clinical experience course, have the opportunity to design and participate in an internship, and/or enroll in a pre-requisite course at the local community college. Depending upon location, students may have the opportunity to apply what they are learning to real-life healthcare situations in a medical specialty course, such as Certified Nursing Assistant or Pharmacy Technician and may earn state and/or nationally recognized credentials after passing licensure examinations. Course offerings, internship opportunities and articulated college credit may vary at program locations.

## Academy of Leadership & Humanities

Chesapeake

- offers specialized pathways in:

### Homeland Security-Criminal Justice \*\* –

prepares students to apply technical information and broad knowledge in the growing field of criminal justice for entry-level positions and continued education. Students develop specific skills in communication, human relations, criminal law, and criminalistics.

**Marine JROTC** – provides students with information and valuable life-long learning skills. The military science program focuses on living the leadership traits and core values of honor, courage, and commitment. Students practice self-discipline, teamwork, and citizenship through leadership experiences, career exploration, and general military subjects.

An MSDE approved Career and Technical Education (CTE) program is a sequence of courses in a specified career pathway that requires a minimum of four credits. Students who complete a CTE program in most occupational pathways are eligible for articulated community college credit and industry certification.

## Academy of Science, Engineering & Mathematics

Chesapeake

- offers specialized pathways in:

### Project Lead The Way Engineering/

**Aerospace Science \*\*** – provides students with the opportunity to develop thinking skills as they design and build solutions to authentic engineering problems. Students analyze, evaluate, and produce models of project solutions and digital circuitry using industry-standard computer software. Students apply scientific and engineering concepts to design materials and processes that directly measure, repair, improve, and extend systems in different environments. (Successful completion of Grade 8 Algebra I is strongly recommended for the Engineering Pathway.)

**Environmental Science** – provides opportunities for students to investigate the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify both natural and human-made environmental problems, analyze the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them.

**Mathematics** – provides opportunities for students to develop a pure understanding of the connections between Algebra and Calculus as they learn mathematics through the use of technology and explore careers in the field.

\* Articulated college credit may be earned from the Community College of Baltimore County.

‡ Students may earn a minimum of four MSDE Career & Technical Education (CTE) credits for graduation.

□ Transcribed credit may be earned from Stevenson University, Community College of Baltimore County, and various out-of-state universities.

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## Academy of Science, Engineering & Information Technology

Lansdowne

- offers specialized pathways in:

### Project Lead The Way (PLTW)

#### Biomedical Sciences † □

- offers an intense focus on the concepts of human medicine and biomedical innovations through an introduction to physiology, genetics, microbiology and public health. PLTW courses are structured so students acquire strong teamwork and communication skills. Students develop organizational, critical-thinking, and problem-solving skills as they investigate various health conditions and infectious diseases, examine the interactions of human body systems, and explore how to prevent and fight infection. Students in the program may participate in an internship, clinical experience, or conduct independent research in the biomedical sciences field.

\* This program is also available as an IB Career-related Programme at New Town High.

### Engineering and Information Technology

- offers a unique combination of engineering and programming courses in order to prepare students with the ability to design and construct both physical structures, such as bridges, houses, and machinery, and computer programs, such as Web sites and apps. This blend of digital and non-digital constructions strengthens students' abilities to be effective in multi-disciplinary environments.

## Acting

Carver Center, Milford Mill & Patapsco

- allows students to work in a variety of performance settings, including traditional and black box theatres. Guest artists enhance student experiences and allow for individual talent development in drama, comedy, and musical theatre. Several performances throughout the year allow students to showcase their talents to a wide audience. Previous experience, though not expert level, is expected for applicants.

(Program content and available resources may vary at each location.)

Students who are entitled to transportation as a necessary and current related service under an IEP or Section 504 Plan are eligible for transportation to a magnet school and program.

## Automotive Service Technology \*†

Milford Mill, Sollers Point, & Western

- introduces students to automotive service and repair. Students perform selected skilled services outlined in National Automotive Technician's Education Foundation (NATEF) requirements using specialized tools and equipment on late-model vehicles. Students learn Automotive Service Excellence (ASE) certified skills through computerized content instruction, shop demonstrations, diagnostic testing, and hands-on activities performed on shop vehicles.

### Project Lead The Way (PLTW)

#### Biomedical Sciences † □

Sollers Point

- offers an intense focus on the concepts of human medicine and biomedical innovations through an introduction to physiology, genetics, microbiology and public health. PLTW courses are structured so students acquire strong teamwork and communication skills. Students develop organizational, critical-thinking, and problem-solving skills as they investigate various health conditions and infectious diseases, examine the interactions of human body systems, and explore how to prevent and fight infection. Students in the program may participate in an internship, clinical experience, or conduct independent research in the biomedical sciences field.

\* This program is also available as an IB Career-related Programme at New Town High

## Building & Construction Technology \*†

Eastern, Milford Mill, & Sollers Point

- provides students with knowledge and principles of carpentry, plumbing, electrical, and HVAC systems. This hybrid construction program involves the construction of modular units, with a high degree of completion of interior elements, and presents the construction side of the manufactured construction industry. Additional curriculum modules, covering project management and project supervision as it relates to all areas of Construction Trades, are offered as supplemental resources. Students who successfully complete the program are eligible for certification through National Craft Assessment and Certification (NCCER) and Occupational Safety and Health Administration (OSHA).

Students have access to Special Education and Section 504 support services in all schools with magnet programs.

## Carpentry Careers \*†

Carver Center

- provides students with information and experience related to residential and commercial construction. Students are also taught the unique skills associated with set construction, theater set-up, and related performing arts project construction. Students who successfully complete the program are eligible for advanced placement in the Associated Builders and Contractors' (ABC) Apprenticeship Program. They may also be eligible for advanced placement and/or testing opportunities through other union or non-union apprenticeship programs and National Craft Assessment and Certification (NCCER).

## Cosmetology †

Carver Center, Milford Mill, Sollers Point, & Western

- provides students with the information and skills to perform services on the hair, skin, and nails, as well as skills in professional development, communication and marketing. A required 1,500 hours of course instruction qualifies the student to take the State of Maryland Cosmetology license exams. Taking the state exam is a graduation requirement to become a Cosmetology program completer.

## Culinary Arts \*†

### Culinary Arts

Carver Center, Eastern, Sollers Point, & Western

- provides students with instruction in basic food and bakeshop production, nutrition, management training, service skills, human relations, and menu development, utilizing the ProStart program developed by the National Restaurant Association Education Foundation. Students who successfully complete the sanitation course will qualify to take the ServSafe examination for national certification.

## Baking and Pastry

Sollers Point

- provides students with instruction in advanced bakery production of breads and desserts, basic food and bakeshop production, service skills, and human relations, utilizing the American Culinary Federation (ACF) guidelines. Students who successfully complete the sanitation course will qualify to take the ServSafe examination for national certification.

Assessment information will be available on the BCPS Magnet Programs Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)) by December, 2020.

# High School Magnet Programs

Additional program information is available on the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet))

## Dance

*Carver Center, Milford Mill & Patapsco*

- emphasizes rigorous training in ballet and modern techniques, as well as jazz, tap, and musical theatre. Students develop skills through experiences in aesthetic education, dance composition, Labanotation, repertory, choreography, creative expression, production, performance, criticism, and connections between dance and healthy living. Previous experience, though not expert level, is expected for applicants. (Program content and available resources may vary at each location.)

## Design and Production

*Carver Center, Milford Mill & Patapsco*

- provides students with opportunities to engage actively in live stage production work with sound, lighting, set design and construction, costume design, and theatre/stage management. Previous experience, though not expert level, is expected for applicants. (Program content and available resources may vary at each location.)

## Diesel Truck and Power Systems \*‡

*Sollers Point*

- prepares students to repair diesel-powered heavy-duty equipment, automobiles, light trucks, and boats. Students will learn to diagnose malfunctions and repair engines and brakes, as well as hydraulic, electrical, electronic, steering, and power transmission systems. Students will be expected to sit for each ASE certification exam at each level of the program. Students may earn certifications in Diesel Engines, Suspension and Steering, Brakes, Electrical/Electronic Systems, and Preventive Maintenance Diesel Engines.

## Digital Instrumental Music

*Carver Center*

- prepares students for a broad range of professional activities in the music world. Students use their musicianship to enhance and complement their understanding of music theory, music literature, and music production in order to compose, perform, and produce their own music and the music of others. Students explore analog and digital technologies to apply those technologies to recording, composition, and performance as an individual musician and in ensembles.

## Early College\*

*Woodlawn*

- provides students with a program that combines high school and college in a supportive, yet rigorous educational environment. Through a partnership with the Community College of Baltimore County, students will have the opportunity to simultaneously earn a high school diploma and an Associate of Arts degree or up to 60 credits toward a bachelor's degree. Students will earn credits through course work completed at both the high school campus and/or at the community college campus. College credits are tuition free.

## Engineering Careers \*‡

*Eastern*

- provides students who are interested in the various fields of research or applied mathematics, science, computer-aided design, computer programming, and engineering with a challenging four year program of required and elective subjects geared to match their interests and to prepare them for a college or university engineering program. The programs are designed for highly motivated students and offer enriched and accelerated course work, as well as the possibility to work with professionals in the multiple fields of engineering.

## Environmental Science / Studies

*Sparrows Point & Western*

- offers opportunities for science-oriented and environmentally motivated students to participate in authentic situations as real environmental scientists. Students experience field study, discuss and act on environmental issues, learn about the environment from the perspectives of history, law, and public policy, and strive to understand the balance between environment, politics, economics, and culture. Students may pursue Gifted & Talented, Advanced Placement, and college articulated course work. Research and internship opportunities may also be available.

An MSDE approved Career and Technical Education (CTE) program is a sequence of courses in a specified career pathway that requires a minimum of four credits. Students who complete a CTE program in most occupational pathways are eligible for articulated community college credit and industry certification.

## Environmental Technology \*\*

*Western*

- emphasizes hands-on experiences and fieldwork where students act as environmental professionals, completing projects and solving problems in environmental design, planning, monitoring, and conservation. Environmental Technology is a career field that applies the principals of math, science, technology, engineering, communications, economics, and law to ensure sustainability, as well as human health and safety. Students work with mentors to participate in and create a variety of projects such as constructing and monitoring an aquaculture system, wetland restoration, and landscaping. Students acquire a variety of computer skills used by environmental engineers, planners, and resource managers, including Geographic Information Systems (GIS). Environmental Technology offers both career oriented and articulated course work for two- and four-year colleges in environmental sciences and technology.

## Graphic/Print Communications \*‡

*Western*

- provides students with fundamental workplace, technical, and interpersonal skills necessary to enter and succeed in diverse careers associated with the graphic/print communications industry using a variety of equipment and state-of-the-art software. A partnership with Printing and Graphics Association Mid-Atlantic and the Community College of Baltimore County provides students with the opportunity to receive on-the-job training and earn national PrintED certification.

\* Articulated college credit may be earned from the Community College of Baltimore County.

‡ Students may earn a minimum of four MSDE Career & Technical Education (CTE) credits for graduation.

□ Transcribed credit may be earned from Stevenson University, Community College of Baltimore County, and various out-of-state universities.

For additional information, please visit the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)).

# High School Magnet Programs

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## Health Sciences\*‡

### Overlea

- provides all students at Overlea High with an opportunity to participate in health and wellness-related lessons and activities, including units of study on *Healthy Bodies*, *Healthy Minds*, and *Healthy Relationships*; bi-annual community health fairs; field trips to local science/healthcare settings; optional First Aid, CPR, and Stop the Bleed training; and diverse academic experiences which include a number of Career and Technical Education pathways, such as the Academy of Health Professions, Nutrition and Foods, Business, Homeland Security, as well as AVID college preparation courses, all with a schoolwide emphasis on student wellness.

## Information Technology \*‡

### Computer Science

#### Carver Center, Sollers Point & Western

- prepares students for further study and careers in the field of Computer Science through programming, hardware design, networks, graphics, databases and information retrieval, cyber security, software design, programming languages, logic, programming paradigms, translation between levels of abstraction, artificial intelligence, the limits of computations, applications in information technology and information systems, and social issues (Internet security, privacy, and intellectual property). Students may pursue Advanced Placement and college articulated course work. *At Carver Center, IT-Computer Science is combined with Interactive Media Production. Students are expected to complete the requirements of both programs.*

### Networking (CISCO)

#### Eastern, Sollers Point, & Western

- prepares students with fundamental and advanced computer, interpersonal, and problem-solving skills necessary for success in computer career fields. The Networking Pathway provides students with a background in hardware, software, and/or telecommunications. Computer-aided troubleshooting and instruction is integrated into the learning process. Cyber Security coursework is also provided at Sollers Point. Students who successfully complete the Networking Pathway are eligible to take the Cisco Certified Network Associate (CCNA), A+, and CCENT examinations. Course offerings, internship opportunities and articulated college credit may vary at program locations. *\* This program is also available as an IB Career-related Programme at New Town High*

## Instrumental Music

### Milford Mill & Patapsco

- allows students to develop their individual talents as well as skills in ensemble performance, sight-reading, and music theory. Students are also prepared for conducting and solo performances in advanced settings and are exposed to composing and recording technology. Previous experience, though not expert level, is expected for applicants. *(Program content and available resources may vary at each location.) (Instrumental Music does not include the study of guitar or piano)*

## Interactive Media Production \*‡

### Carver Center & Eastern

- provides students with experiences in Web site development, internet technology, computer graphics, digital media and entertainment production, and project management. Students develop skills in photo/video imagery, animation, non-linear video editing, Web page design, basic game development, and mobile/handheld application development. Students complete a professional portfolio which can be used to apply for advanced/continuing education programs and employment. Students may also earn industry certification in Adobe® Creative Suite® and Web design. At Carver Center IT-Computer Science is combined with Interactive Media Production; students are expected to complete the requirements of both programs.

*\* This program is also available as an IB Career-related Programme at New Town High.*

## International Baccalaureate

### Kenwood & New Town

- provides a rigorous, academic program that gives students a global perspective to prepare them for college. Students in Grades 9 and 10 participate in interdisciplinary instruction across all content areas based on the International Baccalaureate (IB) framework. At Kenwood, students in Grades 11 and 12 transition into the internationally recognized IB Diploma Programme. At New Town, students in Grades 11 and 12 select either the IB Diploma Programme or the Career-related Programme, in which they can specialize in PLTW-Biomedical Science, Nutrition and Foods Science, Cisco Networking and Cyber Security, or Interactive Media Production pathways. Based on individual interest, students at both schools will select and explore a variety of courses in depth and breadth to develop individualized research and community-based action projects. Students completing the requirements may receive college credit for IB coursework.

## Law & Public Policy

### Eastern & Towson

- provides opportunities for college-bound students to investigate topics and hone skills in law and public policy as they develop strong communication, writing, and presentation skills. The Gifted and Talented and Advanced Placement course work incorporates the use of technology and independent student research. Students participate in field experiences and job shadowing opportunities in law and government professions. Internships are available for seniors.

## Literary Arts

### Carver Center, Milford Mill, & Patapsco

- allows students to develop originality and style in writing through serious reading, writing, thinking, observation, practice, and discipline. Throughout this four-year course of study, students pursue an enriched and sequential set of literary experiences in an atmosphere that celebrates the diversity of human perspectives, that promotes lively exchange of ideas, and that nurtures the development of each writer's voice.

Apply online at the BCPS Magnet Programs' Online Application Web site ([bcpsonlineapplication.com/apply](http://bcpsonlineapplication.com/apply)) until 1 p.m. on Friday, November 6, 2020.

Please retain a copy of the application for your records.

Students have access to Special Education and Section 504 support services in all schools with magnet programs.

Students who are entitled to transportation as a necessary and current related service under an IEP or Section 504 Plan are eligible for transportation to a magnet school and program.

Assessment information will be available on the BCPS Magnet Programs Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)) by December, 2020.

# High School Magnet Programs

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## REMINDER:

### Non-BCPS REPORT CARD(S) REQUIRED

Student academic performance from the 2019-2020 and 2020-2021 school years is evaluated for most high school programs.

Applicants who received grade reports from a non-BCPS school for any portion of the 2019-2020 school year **must submit** a copy of the report card(s) with the application.

Applicants who will receive a report card from a non-BCPS school for the first quarter/trimester of the 2020-2021 school year, **must submit** a copy of the report card by December 11, 2020.

## Mathematics, Science & Computer Science

### Parkville

- provides opportunities for advanced learning and interdisciplinary study at accelerated levels in the unique application of mathematics to computer science.

Students select a pathway specializing in:

#### Computer Science

#### Interactive Media Design

#### Informational Technology - Networking & Cyber Security

#### Project Lead The Way (PLTW) Engineering.

Through classroom instruction and access to these special programs, students apply their developing skills to software development, computer graphics, robotics, digital electronics, object-oriented programming (computer game design) and 3D CADD (Computer Aided Drafting and Design).

Students are encouraged to take Gifted and Talented and Advanced Placement classes and are prepared to enter college in any field that matches their interest, with specific concentration on the computer sciences.

\* Articulated college credit may be earned from the Community College of Baltimore County.

‡ Students may earn a minimum of four MSDE Career & Technical Education (CTE) credits for graduation.

□ Transcribed credit may be earned from Stevenson University, Community College of Baltimore County, and various out-of-state universities.

## Mathematics, Science & Engineering \*‡

### Woodlawn

- provides students with a highly competitive college preparatory program, offering challenging courses of study at the gifted and talented level in the fields of mathematics, science, and engineering. Using Project Lead The Way's engineering curriculum, students are introduced to the scope, rigor, and discipline of engineering and engineering technology.

## Mechanical Construction/Plumbing Careers \*\*

### Western

- prepares students in residential and commercial construction to install and maintain water supply systems, waste removal systems, and various fixtures and gas appliances that provide for personal comfort in the home or commercial business setting. Students who successfully complete the program are eligible for advanced placement in the Associated Builders and Contractors' (ABC) Apprentice Program. They may also be eligible for advanced placement and/or testing opportunities through other union or non-union apprenticeship programs and National Craft Assessment and Certification (NCCER).

## Multimedia Communications

### Randallstown

- offers specialized pathways in:

**Mass Communications** – allows students to work together to communicate information through television and radio broadcasting, video production, and journalism.

**Visual Communications** – provides opportunities for students to communicate ideas in a variety of mediums through digital and graphic design, photography, and desktop publishing.

Both pathways include internship opportunities for seniors as well as parallel college enrollment.

An MSDE approved Career and Technical Education (CTE) program is a sequence of courses in a specified career pathway that requires a minimum of four credits. Students who complete a CTE program in most occupational pathways are eligible for articulated community college credit and industry certification.

## Sports Science Academy

### Kenwood & Western

- invites students to a world of leadership and career-search opportunities. The program is open to students who wish to pursue an interdisciplinary core curriculum and investigate careers in sports, health, and fitness fields, including sports medicine. Magnet concentrations include: Sports Education, Sports Business, Sports Communication, and Sports Management. Student internships are available.

## Teacher Academy of Maryland \*‡

### Eastern & Parkville

- prepares students for a variety of careers in the education profession. The program consists of four high school credits that focus on teaching as a profession, human growth and development, learning theory, and curriculum and instruction. In their senior year, students demonstrating proficiency have the opportunity to participate in internships in elementary, middle, or high school settings. Students who agree to teach in the state of Maryland may qualify for the Hope Scholarship, offered to college students by the Maryland State Department of Education.

## Visual Arts

### Carver Center, Milford Mill & Patapsco

- allows students to explore their interests in graphic and traditional fine arts. Students develop their talents through the study of art history, drawing, painting, sculpture, photography, computer graphics, multimedia, or televideo. Students build a professional portfolio, which can be used to gain admission to post-secondary study or employment as a working artist.

## Vocal Music

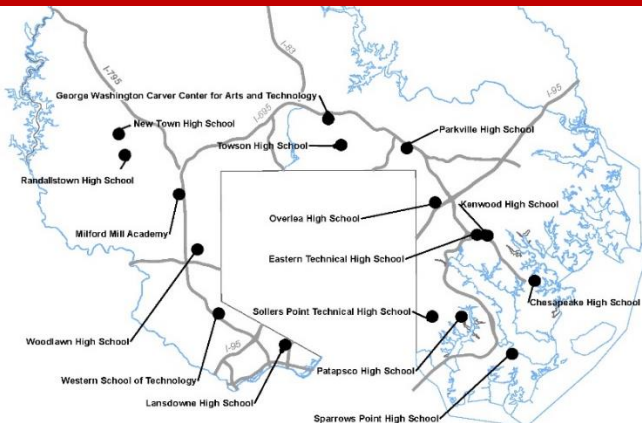
### Carver Center, Milford Mill & Patapsco

- prepares students for solo and ensemble performances in a variety of musical genres including opera and musical theatre. Course work includes vocal fundamentals and technique, sight reading, and music history, theory, and criticism. Students may also work with music technology, recording, and engineering. Previous experience, though not expert level, is expected for applicants. (Program content and available resources may vary at each location.)

Apply online at the BCPS Magnet Programs' Online Application Web site ([bcpsonlineapplication.com/apply](http://bcpsonlineapplication.com/apply)) until 1 p.m. on Friday, November 6, 2020.

## Baltimore County Schools Hosting High School Magnet Programs

Geographic location and transportation availability should be considered when applying to magnet programs.



**BCPS Magnet Programs**  
105 W. Chesapeake Avenue  
Towson, Maryland 21204

(443) 809-4127

[tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)

**NON-DISCRIMINATION STATEMENT:** The Board of Education of Baltimore County does not discriminate on the basis of age; color; disability; gender identity, including expression; marital status; national or ethnic origin; race; religion; sexual orientation; veteran status; or any other characteristic in its educational programs, services, or employment as provided in federal and state law.

## Application Information Meetings

Learn more about the magnet application process!

**Saturday, September 26, 2020**

Choose a session: 10 a.m. or 1:00 p.m.

OR

**Wednesday, September 30, 2020**

Choose a session: 10 a.m. or 6:30 p.m.

Programs will be held virtually.

Parents may register on the BCPS Magnet Programs' Web site ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)) to receive an email invitation to the event.

\*Information is subject to change based on restrictions related to the COVID-19 pandemic.

Please refer to the BCPS Magnet Programs' Web site for the most current information ([tinyurl.com/BCPSMagnet](http://tinyurl.com/BCPSMagnet)).

## For more information, please see the school Web sites.

School	School Web site	School Email
Chesapeake High School STEM Academy	<a href="https://chesapeakehs.bcps.org/">https://chesapeakehs.bcps.org/</a>	Mathew Doty – <a href="mailto:mdoty@bcps.org">mdoty@bcps.org</a>
Eastern Technical High School	<a href="https://easterntechhs.bcps.org/">https://easterntechhs.bcps.org/</a>	<a href="mailto:easterntechmagnet@bcps.org">easterntechmagnet@bcps.org</a>
George Washington Carver Center for Arts and Technology	<a href="https://carverhs.bcps.org/">https://carverhs.bcps.org/</a>	Ruth Arenas – <a href="mailto:arenas@bcps.org">arenas@bcps.org</a>
Kenwood High School	<a href="https://kenwoodhs.bcps.org/">https://kenwoodhs.bcps.org/</a>	(IB) Santina Jannotti – <a href="mailto:sjannotti@bcps.org">sjannotti@bcps.org</a> (SSA) Shaniece Jones – <a href="mailto:sjones@bcps.org">sjones@bcps.org</a>
Lansdowne High School Academy	<a href="https://lansdownehs.bcps.org/">https://lansdownehs.bcps.org/</a>	Mollie Barley – <a href="mailto:mpugh3@bcps.org">mpugh3@bcps.org</a>
Milford Mill Academy	<a href="https://milfordmillhs.bcps.org/">https://milfordmillhs.bcps.org</a>	Shandria Proctor – <a href="mailto:sproctor@bcps.org">sproctor@bcps.org</a>
New Town High School	<a href="https://newtownhs.bcps.org/">https://newtownhs.bcps.org/</a>	Chanell Owens Johnson – <a href="mailto:cowens2@bcps.org">cowens2@bcps.org</a>
Overlea High School	<a href="https://overleahs.bcps.org/">https://overleahs.bcps.org/</a>	Madeleine Phillips – <a href="mailto:mphillips2@bcps.org">mphillips2@bcps.org</a>
Parkville High School and Center for Mathematics, Science, & Computer Science	<a href="https://parkvillehs.bcps.org/">https://parkvillehs.bcps.org/</a>	Missy Burkhardt – <a href="mailto:mburkhardt@bcps.org">mburkhardt@bcps.org</a>
Patapsco High School & Center for the Arts	<a href="https://patapscohs.bcps.org/">https://patapscohs.bcps.org/</a>	Trish Dunn – <a href="mailto:tdunn2@bcps.org">tdunn2@bcps.org</a>
Randallstown High School	<a href="https://randallstownhs.bcps.org/">https://randallstownhs.bcps.org/</a>	(AHP) Kristi Sirolli – <a href="mailto:ksirolli@bcps.org">ksirolli@bcps.org</a> (MC) James Dyson – <a href="mailto:jdyson@bcps.org">jdyson@bcps.org</a>
Sollers Point Technical High School	<a href="https://sollerspoinths.bcps.org/">https://sollerspoinths.bcps.org/</a>	Kristen Biscoe – <a href="mailto:kbiscoe@bcps.org">kbiscoe@bcps.org</a>
Sparrows Point High School	<a href="https://sparrowspoinths.bcps.org/">https://sparrowspoinths.bcps.org/</a>	Kevin Peiser – <a href="mailto:kpeiser@bcps.org">kpeiser@bcps.org</a>
Towson High School	<a href="https://towsonhs.bcps.org/">https://towsonhs.bcps.org/</a>	Julie Kromsky – <a href="mailto:jkromsky@bcps.org">jkromsky@bcps.org</a>
Western School of Technology & Environmental Science	<a href="https://westernhs.bcps.org/">https://westernhs.bcps.org/</a>	Katherine Landon – <a href="mailto:klandon@bcps.org">klandon@bcps.org</a>
Woodlawn High School	<a href="https://woodlawnhs.bcps.org/">https://woodlawnhs.bcps.org/</a>	(EC) Ashley Bennett – <a href="mailto:abennett2@bcps.org">abennett2@bcps.org</a> (MSE) Sommer Joe – <a href="mailto:sjoe@bcps.org">sjoe@bcps.org</a>

Magnet Programs staff will be available at Application Information Meetings to answer questions about the magnet application process. If you are unable to attend an Application Information Meeting, please contact the school for information about its magnet program.