

# *MSMC...* *The Place to Be!*



**SCHOOL  
YEARS**  
2021-  
2023

**MONTGOMERY COUNTY PUBLIC SCHOOLS**  
*Expanding Opportunity and Unleashing Potential*

# MSMC

*Middle School Magnet Consortium*



- **ARGYLE**
- **LOIEDERMAN**
- **PARKLAND**



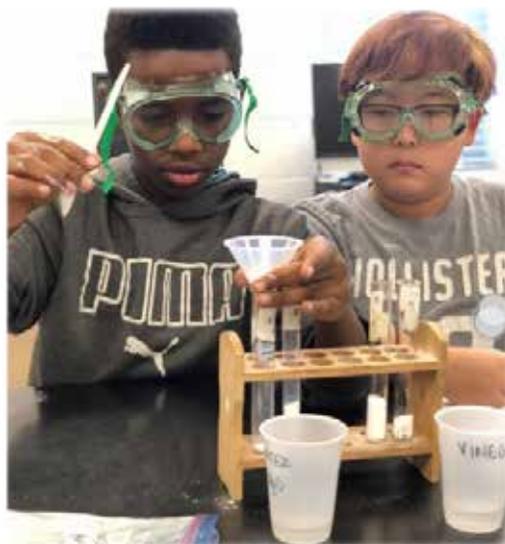


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**Note:** School programs, courses, and other information in this publication are subject to change. Questions? Contact the schools.



COINSPORTIUM

# MIDDLE SCHOOL MAGNET CONSORTIUM OVERVIEW

## ■ Goals

The Middle School Magnet Consortium (MSMC) was created through a \$7.2 million grant from the United States Department of Education that ended with the 2007–2008 school year. Montgomery County Public Schools (MCPS) has adapted the goals established by the grant to meet current system needs. The MSMC goals are to—

- increase student performance in the three target schools
- broaden local student program choices and expand student program choices in MCPS
- reduce socioeconomic isolation in the three target schools without increasing socioeconomic isolation in the sending middle schools

## ■ Vision

MSMC staff believes—

- academic rigor is necessary preparation for the knowledge-based economy
- curiosity, the basis of the human desire to learn, must be developed and preserved
- all students benefit from caring, clear, and consistent adult guidance
- middle school is the time to gain the skills and knowledge for high school, college, and life

## ■ Milestones

Middle School Magnet Consortium students keep track of their educational progress through grades and assessments in their coursework. They also track their progress through several milestone achievements each year that span the skills and knowledge of the disciplines. MSMC schools have developed milestones for each grade level in the following categories:

- writing
- research
- problem solving
- presentation skills
- magnet area of focus

## ■ Common Elements

A primary goal of the Middle School Magnet Consortium is to increase student capacity for higher-level instruction in middle school and for advanced study in high school. Several common elements in the three schools have been established to ensure a consistently high level of rigor for students.

## ■ Accelerated Core Curriculum

Though each Consortium school has a distinct instructional focus, the academically rigorous accelerated core curriculum promotes high school and college preparation for students. Montgomery County Public Schools has developed a program of studies that provides students with earlier access to challenging courses. Students in MSMC schools have the opportunity to earn credit for some high school courses by the end of Grade 8.

## ■ Specialized Courses and Extended Learning Opportunities

The distinct instructional focus of each magnet school provides a content-based structure for the curriculum at each school. Interdisciplinary connections are formed around the concepts, content, and thought processes of the school's instructional focus. In addition, every student has the opportunity to take specialized courses in the school's area of focus. (See each school's description for specific examples.)

Each school offers after-school opportunities such as academic coaching and support in the core curriculum. Clubs and other after-school activities are related to the school's instructional focus. Summer programs linked to the school's theme will be offered if the MCPS budget permits.

## ■ Highly Effective Instructional Program

MSMC schools provide professional development for teachers and extended learning opportunities for students to create a rigorous instructional program at each Consortium school. Professional development and team planning time for teachers is provided within the school day. Professional development centers around helping students reach their highest potential in the accelerated core curriculum and specialty courses. The magnet coordinator and staff development teacher at each school help coordinate the professional development for teachers and extended learning opportunities for students.

## ■ Collaborative Partnerships

MSMC schools have established partnerships with business and community organizations to support the instructional focus of each school. Examples of successful MSMC collaborative relationships include the following partnerships:

- Argyle and Digit Game Studios, Montgomery County Parks and Recreation, and Verizon Innovative Learning Schools
- Loiederman and the Music Center at Strathmore, Baltimore Symphony Orchestra, and Roundhouse Theatre
- Parkland and the Civil Air Patrol, the Clark School of Engineering—University of Maryland, and Wheaton High School Academies of Bioscience and Engineering

In addition, each school works closely with parents to strengthen school-home partnerships.



# MIDDLE SCHOOL MAGNET CONSORTIUM OVERVIEW



THE MIDDLE SCHOOL MAGNET CONSORTIUM (MSMC) is made up of three schools—Argyle, Loiederman, and Parkland middle schools—each offering an innovative and challenging magnet curriculum. Argyle focuses on advanced computer science, Loiederman offers a creative and performing arts focus, and Parkland provides students the opportunity to explore mathematics and science through aerospace technology and robotic engineering. All three schools offer advanced mathematics.



## **ARGYLE MAGNET SCHOOL for Digital Design and Development**

Advanced Computer Science • Advanced Mathematics • Digital Design and Gaming  
2400 Bel Pre Road, Silver Spring, Maryland 20906

Argyle students specialize in a rigorous computer science and digital design program that focuses on community or global problem-solving. Every Argyle student has the unique opportunity to—

- explore a variety of technologies such as mobile application development, video gaming production, programming artificial intelligence, digital multimedia production, web design development, and robotics
- experience a rigorous academic program with an emphasis on interdisciplinary project-based assessments that are enhanced by technology tools
- work with staff and peers to compete in technology problem-solving challenges in video game creation, robotics, art, and animation



## **A. MARIO LOIEDERMAN MAGNET SCHOOL for the Creative and Performing Arts**

Advanced Arts • Advanced Mathematics  
12701 Goodhill Road, Silver Spring, Maryland 20906

Loiederman students specialize in creative and performing arts. Every Loiederman student has the unique opportunity to—

- explore a broad variety of art forms and develop specific talents and interests in the arts
- experience the creative environment of a rigorous arts program
- work with peers, artists, arts organizations, media outlets, and museums to produce live and multimedia performances



## **PARKLAND MAGNET SCHOOL for Aerospace Technology**

Advanced Mathematics and Science • Engineering  
4610 West Frankfort Drive, Rockville, Maryland 20853

Parkland students specialize in a rigorous science and technology program focused on the problem-solving requirements of aerospace and robotic engineering. Every Parkland student has the unique opportunity to—

- explore technology solutions in aerospace, satellite, and robotic engineering
- experience a rigorous scientific engineering environment involving team problem solving and research
- work with peers to compete in NASA and other aerospace-related challenges

## ■ DIGITAL DESIGN AND DEVELOPMENT

### Advanced Computer Science Advanced Mathematics Digital Design and Gaming

#### ■ Goal

Argyle Magnet School for Digital Design and Development offers students in Grades 6, 7, and 8 a rigorous academic program focused on the development and application of computer science and digital design. All students take comprehensive technology courses based on national technology standards. Students may choose to take elective courses specializing in digital art and animation, multimedia production, gaming, programming, or web development.

#### WHAT IS SPECIAL ABOUT ARGYLE MAGNET SCHOOL?

*Walk into a building where students...*

- express their creativity by designing authentic technology products
- use technology as an everyday tool for learning
- collaborate with technology experts in education and the world of work using the latest technology to produce video games, mobile applications for cell phones, graphic art, videos, and website design
- learn through hands-on experiences
- collaborate with peers and teachers to conduct research, solve problems, and share ideas
- use mobile technology to complete projects
- research and explore high school, postsecondary, and career options

#### IS ARGYLE MAGNET SCHOOL FOR YOU?

*Do you like...*

- using the latest technology to produce video games, mobile applications for cell phones, videos, and animations?
- telling a story through pictures, video, and music?
- creating your own computer programs and developing those programs into commands for robots?
- designing web pages?
- creating digital music and digital art?
- using technology as a problem-solving tool?
- competing in national video game and robotic competitions?
- developing mobile technology in different places throughout the building to produce projects that solve a real problem in a community?
- participating in a wide variety of free or low-cost magnet-related after-school programs?

#### ■ Extended Learning Opportunities

Argyle offers a variety of extended learning opportunities after school, including academic coaching and support in the core curriculum. Computer science related after-school clubs may include such offerings as photography, computer art, yearbook, web design, animation, video gaming, and robotics. Summer programs related to the school's theme will be offered if the MCPS budget permits.

#### ■ Milestones

As part of the MSMC, Argyle Magnet School for Digital Design and Development helps students achieve milestones in their education. Argyle staff work together to finalize milestones and magnet outcomes each year. Examples of milestones are listed below.

#### ■ Grade 6

- **WRITING:** Write and refine a well-developed multi-paragraph essay.
- **PRESENTATION SKILLS:** Deliver a three to five minute speech.
- **PROBLEM SOLVING:** Solve a problem with set parameters and known variables.
- **RESEARCH:** Develop a guided research project.
- **MAGNET FOCUS:** Create an ongoing electronic portfolio of student work.

#### ■ Grade 7

- **WRITING:** Write a persuasive essay about the ethical use of technology.
- **PRESENTATION SKILLS:** Deliver a presentation on the use of technology.
- **PROBLEM SOLVING:** Solve an open-ended problem.
- **RESEARCH:** Develop an interdisciplinary milestone project.
- **MAGNET FOCUS:** Develop an original product demonstrating reflection and growth in the chosen technology strand.

#### ■ Grade 8

- **WRITING:** Write and refine an original work reflecting on the past, present, and future of technology innovation.
- **PRESENTATION SKILLS:** Deliver a presentation for a student-developed technology product.
- **PROBLEM SOLVING:** Develop a solution to a problem within a community.
- **RESEARCH:** Collaborate with a small business or non-profit to design a tech product.
- **MAGNET FOCUS:** Produce and refine an original product demonstrating reflection and growth in the chosen technology strand.

# DIGITAL DESIGN AND DEVELOPMENT

Students can choose from a range of courses in the accelerated core curriculum...

	GRADE 6	GRADE 7	GRADE 8
English	<ul style="list-style-type: none"> <li>Advanced English 6</li> <li>English for English Learners</li> </ul>	<ul style="list-style-type: none"> <li>Advanced English 7</li> <li>English for English Learners</li> </ul>	<ul style="list-style-type: none"> <li>Advanced English 8</li> <li>English for English Learners</li> </ul>
Mathematics	<ul style="list-style-type: none"> <li>Accelerated Math 6+</li> <li>Applied IM</li> </ul>	<ul style="list-style-type: none"> <li>Grade 7 Math</li> <li>Grade 8 Math</li> <li>Algebra 1</li> </ul>	<ul style="list-style-type: none"> <li>Grade 8 Math</li> <li>Algebra 1 A/B*</li> <li>Honors Geometry A/B*</li> </ul>
World Studies	<ul style="list-style-type: none"> <li>Historical Inquiry in World Studies 6</li> </ul>	<ul style="list-style-type: none"> <li>Advanced World Studies 7</li> </ul>	<ul style="list-style-type: none"> <li>Historical Inquiry US History 8</li> </ul>
Science	<ul style="list-style-type: none"> <li>Investigations in Science 6</li> </ul>	<ul style="list-style-type: none"> <li>Investigations in Science 7</li> </ul>	<ul style="list-style-type: none"> <li>Investigations in Science 8</li> </ul>
World Languages	<ul style="list-style-type: none"> <li>Spanish 1 A/B, 2 A/B, 3 A/B</li> <li>French 1 A/B, 2 A/B, 3 A/B</li> <li>Spanish for Spanish Speakers A/B</li> </ul>	<ul style="list-style-type: none"> <li>Spanish 1 A/B, 2 A/B, 3 A/B</li> <li>French 1 A/B, 2 A/B, 3 A/B</li> <li>Spanish for Spanish Speakers A/B</li> </ul>	<ul style="list-style-type: none"> <li>Spanish 1 A/B, 2 A/B, 3 A/B</li> <li>French 1 A/B, 2 A/B, 3 A/B</li> <li>Spanish for Spanish Speakers A/B</li> </ul>
Tech-nology	<ul style="list-style-type: none"> <li>Information Technology &amp; Computer Science (ITCS6)</li> </ul>		

\*High school credit upon successful completion of course and passing grade on final examination. Contact your school counselor for more information.

...and a range of Argyle Magnet School specialty and advanced courses in technology.

	GRADE 6	GRADE 7	GRADE 8
Magnet Electives	<ul style="list-style-type: none"> <li>Innovative Minds I</li> <li>Innovative Art &amp; Design</li> </ul>	<ul style="list-style-type: none"> <li>Innovative Minds I</li> <li>Innovative Minds II</li> <li>Intro to Digital Media</li> <li>Programming Fundamentals</li> <li>Intro to Web Tools: Social Media &amp; Web Technologies</li> <li>Principles of Information Technology, Cyber Security &amp; Engineering</li> <li>Innovative Art &amp; Design II</li> <li>Innovation and Engineering Design</li> </ul>	<ul style="list-style-type: none"> <li>Innovative Minds I</li> <li>Innovative Minds II</li> <li>Intro to Digital Media</li> <li>Programming Fundamentals</li> <li>Website Development Fundamentals</li> <li>Intro to Digital Publishing (Yearbook)</li> <li>TV Studio</li> <li>Intro to Programming</li> <li>Innovative Art &amp; Design I</li> <li>Innovative Art &amp; Design II</li> <li>Innovative Art &amp; Design III</li> <li>Foundations of Computer Science A/B*</li> <li>Introduction to Engineering Design A/B*</li> <li>Website Development A/B*</li> <li>Technology Systems: Cybersecurity II</li> </ul>
World Languages	<ul style="list-style-type: none"> <li>Spanish I, II &amp; III A/B, 2 A/B, 3 A/B</li> <li>French I &amp; II A/B, 2 A/B, 3 A/B</li> <li>Spanish for Spanish Speakers A/B</li> </ul>	<ul style="list-style-type: none"> <li>Spanish I, II &amp; III A/B, 2 A/B, 3 A/B</li> <li>French I &amp; II A/B, 2 A/B, 3 A/B</li> <li>Spanish for Spanish Speakers A/B</li> </ul>	<ul style="list-style-type: none"> <li>Spanish I, II &amp; III A/B, 2 A/B, 3 A/B</li> <li>French I &amp; II A/B, 2 A/B, 3 A/B</li> <li>Spanish for Spanish Speakers A/B</li> </ul>
Other	<ul style="list-style-type: none"> <li>PE/Health 6</li> <li>Band</li> <li>Orchestra</li> <li>Guitar/Ukulele</li> <li>Lights, Camera, Literacy I/II</li> <li>Digital Literacy I</li> </ul>	<ul style="list-style-type: none"> <li>PE/Health 7</li> <li>Band</li> <li>Orchestra</li> <li>Music in the Digital Space</li> <li>Digital Literacy II</li> <li>MS Theater</li> </ul>	<ul style="list-style-type: none"> <li>PE/Health 8</li> <li>Band</li> <li>Orchestra</li> <li>Music in the Digital Space</li> <li>Digital Literacy III</li> <li>MS Theater</li> </ul>
School Events	<ul style="list-style-type: none"> <li>Schoolwide, county, and state expos and competitions as well as other events that may become available.</li> <li>Milestone, Milemarker, and Capstone Projects in Partnerships with local businesses and community partners.</li> </ul>		

\*High school credit upon successful completion of course and passing grade on final examination. Contact your school counselor for more information.

*Students at Argyle Magnet School take core technology courses that are connected by concepts and skills to their mathematics, science, social studies, and English courses. Students may take advanced technology options, choosing to specialize in programming, digital media, web development, digital art, or courses specializing in technology.*

- **Each year Argyle students MUST take a course in—**
  - English
  - Mathematics
  - Science
  - Social Studies
  - Technology
  - Physical Education/Health

- **and choose additional courses from—**
  - Technology Electives
    - Gaming and Robotics
    - Digital Media Production
    - Web Development
    - Innovative and Designing Technology Solutions
  - Reading
  - World Languages
  - Art
  - Music



**What will a student schedule look like?**

Argyle Magnet School uses an innovative block schedule. Students have four classes one day and four different classes the next day. These days alternate throughout the week. A student may have a schedule like the one below.

<b>Day A</b>		<b>Day B</b>	
	Advisory		Advisory
<b>Period 1</b>	Advanced English 6	<b>Period 2</b>	Historical Inquiry in World Studies 6
<b>Period 3</b>	Information Technology & Computer Science	<b>Period 4</b>	Innovative Minds I
<b>Lunch</b>		<b>Lunch</b>	
<b>Period 5</b>	Math Investigations	<b>Period 6</b>	Investigations in Science 6
<b>Period 7</b>	Spanish 1 A/B*	<b>Period 8</b>	Physical Education/Health

*\*High school credit upon successful completion of course and passing grade on final examination. Contact your school counselor for more information.*



## ■ CREATIVE AND PERFORMING ARTS

### Advanced Arts Advanced Mathematics

#### ■ Goal

A. Mario Loiederman Magnet School for the Creative and Performing Arts offers students in Grades 6, 7, and 8 a rigorous academic program focused through the creative and performing arts. Students have the opportunity to take high-level arts electives in the areas of digital and visual arts, dance, film, theatre, and music.

### WHAT IS SPECIAL ABOUT LOIEDERMAN MAGNET SCHOOL?

*Walk into a building where students...*

- are encouraged to think creatively within all academic disciplines
- pursue their dreams by crafting, creating, designing, and performing using various media and technology
- grow academically and artistically through authentic learning
- start with the premise, "Who am I?" and work to answer the question, "What is my responsibility?"
- collaborate with artists to learn from existing works and to construct new masterpieces
- access multiple art, theatre, dance, and music spaces designed as dynamic learning environments
- display and perform works of art, music, drama, and dance

### IS LOIEDERMAN MAGNET SCHOOL FOR YOU?

*Do you like...*

- discovering how the arts, history, and literature connect the human experience?
- creating and designing through various media?
- working behind the scenes at professional or student performances?
- performing pieces of music?
- learning through movement?
- singing, dancing, or playing an instrument?
- learning from teachers as artists and artists as teachers?

#### ■ Extended Learning Opportunities

A. Mario Loiederman offers a variety of extended learning opportunities after school. Students at Loiederman may also choose to participate in after-school arts-related offerings such as Dance Company, Choir, Drama Club, Junior Art Honor Society, Jazz Band, and GRLL Tech. Summer programs linked to the school's theme will be offered if the MCPS budget permits.

#### ■ Milestones

As part of the MSMC, Loiederman Magnet School for the Creative and Performing Arts helps students achieve milestones in their education. Loiederman staff work together to finalize milestones and magnet outcomes each year. Examples of milestones are listed below.

#### ■ Grade 6

- **WRITING:** Write an original, multi-paragraph adventure story.
- **PRESENTATION SKILLS:** Memorize and deliver a monologue in the character of a famous person.
- **PROBLEM SOLVING:** Solve a problem with set parameters and known variables.
- **RESEARCH:** Examine and reproduce artworks in the genre and style of different cultures.
- **MAGNET FOCUS:** Create an original work that is reviewed by peers and teachers.

#### ■ Grade 7

- **WRITING:** Write an extended constructed response explaining how the development of individual student identity can be influenced by experiences as an actor, dancer, or musician.
- **PRESENTATION SKILLS:** Perform a scripted or original dialogue.
- **PROBLEM SOLVING:** Solve an open-ended problem.
- **RESEARCH:** Develop a guided research project.
- **MAGNET FOCUS:** Develop an original piece or performance demonstrating reflection and growth in the chosen art form.

#### ■ Grade 8

- **WRITING:** Write a multi-paragraph essay comparing an anchor text to a piece of art.
- **PRESENTATION SKILLS:** Perform a scripted or original scene.
- **PROBLEM SOLVING:** Solve complex open-ended problems.
- **RESEARCH:** Research the contributions and impact of an artist, art movement, or art form on a culture.
- **MAGNET FOCUS:** Produce and refine an original piece or performance demonstrating reflection and growth in the chosen art form.

# CREATIVE AND PERFORMING ARTS

Students can choose from a range of courses in the accelerated core curriculum...

	GRADE <b>6</b>	GRADE <b>7</b>	GRADE <b>8</b>
English	<ul style="list-style-type: none"> <li>Advanced English 6</li> <li>English for English Language Learners</li> </ul>	<ul style="list-style-type: none"> <li>Advanced English 7</li> <li>English for English Language Learners</li> </ul>	<ul style="list-style-type: none"> <li>Advanced English 8</li> <li>English for English Language Learners</li> </ul>
Mathematics	<ul style="list-style-type: none"> <li>Math 6 Plus</li> <li>Applied Investigations in Mathematics* Enrollment based on successful completion of prerequisite course(s).</li> </ul>	<ul style="list-style-type: none"> <li>Algebra 1 A/B*</li> <li>Math 7</li> </ul>	<ul style="list-style-type: none"> <li>Honors Geometry A/B*</li> <li>Algebra 1 A/B*</li> </ul>
Social Studies	<ul style="list-style-type: none"> <li>Historical Inquiry in World Studies 6</li> <li>Historical Inquiry in Global Humanities</li> </ul>	<ul style="list-style-type: none"> <li>Historical Inquiry in World Studies 7</li> </ul>	<ul style="list-style-type: none"> <li>Advanced U.S. History 8</li> </ul>
Science	<ul style="list-style-type: none"> <li>Investigations in Science 6</li> </ul>	<ul style="list-style-type: none"> <li>Investigations in Science 7</li> </ul>	<ul style="list-style-type: none"> <li>Investigations in Science 8</li> </ul>
World Languages	<ul style="list-style-type: none"> <li>French 1 A/B*</li> <li>Spanish 1 A/B*</li> <li>Spanish Speakers 1</li> </ul> <p>Students are encouraged to take two years of a high school foreign language course, with the option of beginning a second foreign language concentration in high school.</p>	<ul style="list-style-type: none"> <li>French 1 A/B*, 2 A/B*</li> <li>Spanish 1 A/B*, 2 A/B*</li> <li>Spanish Speakers 1 A/B, 2 A/B</li> </ul>	<ul style="list-style-type: none"> <li>French 1 A/B*, 2 A/B, 3 A/B*</li> <li>Spanish 1 A/B*, 2 A/B, 3 A/B*</li> <li>Spanish Speakers 1 A/B, 2 A/B</li> </ul>

...and a range of Loiederman Magnet School specialty and advanced courses in the arts.

	GRADE <b>6</b>	GRADE <b>7</b>	GRADE <b>8</b>	
Fine Arts	Core Arts	<ul style="list-style-type: none"> <li>Students select a minimum of one fine arts course</li> <li>Perspectives in the Fine Arts</li> </ul>	<ul style="list-style-type: none"> <li>Students select a minimum of one fine arts course</li> </ul>	<ul style="list-style-type: none"> <li>Students select a minimum of one fine arts course</li> </ul>
	Visual Art	<ul style="list-style-type: none"> <li>MS Studio Art 1</li> </ul>	<ul style="list-style-type: none"> <li>Digital Art I</li> <li>MS Studio Art 2</li> </ul>	<ul style="list-style-type: none"> <li>Foundations of Art A/B*</li> <li>MS Studio Art 3</li> <li>Digital Art I or Digital Art II</li> </ul>
	Theatre/Film	<ul style="list-style-type: none"> <li>Theatre 1</li> <li>Light! Camera! Literacy!</li> </ul>	<ul style="list-style-type: none"> <li>Theatre 1</li> <li>Lights! Camera! Film!</li> <li>Lights! Camera! Literacy! 1 or 2</li> <li>Fundamentals of Theatre</li> </ul>	<ul style="list-style-type: none"> <li>Theatre 1 or 2</li> <li>Fundamentals of Theatre</li> <li>Theatre A/B*</li> <li>Lights! Camera! Literacy! 1 or 2</li> <li>Lights! Camera! Film Literacy!</li> <li>Lights! Camera! Media!</li> </ul>
	Dance	<ul style="list-style-type: none"> <li>Dance for Athletes</li> <li>Dance 1</li> </ul>	<ul style="list-style-type: none"> <li>Choreography</li> <li>Dance for Athletes</li> <li>Dance 1</li> <li>Dance 2</li> </ul>	<ul style="list-style-type: none"> <li>Dance as Fine Art* A/B</li> <li>Choreography</li> <li>Dance for Athletes</li> <li>Dance 1</li> <li>Dance 2</li> <li>Dance 3</li> </ul>
	Music	<ul style="list-style-type: none"> <li>Band 1 MS</li> <li>Beginning Strings MS</li> <li>Chorus 1MS</li> <li>Beginning Band</li> <li>Guitar 1</li> <li>Orchestra 1</li> <li>Piano 1</li> </ul>	<ul style="list-style-type: none"> <li>Band 1 or 2</li> <li>Beginning Strings</li> <li>Orchestra 1 or 2</li> <li>Beginning Band</li> <li>Chorus 2</li> <li>Digital Music 1</li> <li>Guitar 1 or 2</li> <li>Piano 1 or 2</li> </ul>	<ul style="list-style-type: none"> <li>Band 1 or 2</li> <li>Orchestra 1 or 2</li> <li>Concert Band A/B*</li> <li>Concert Orchestra A/B*</li> <li>Beginning Band</li> <li>Beginning Strings</li> <li>Chorus A/B</li> <li>Chorus 1 A/B*</li> <li>Chorus 3</li> <li>Concert Choir</li> <li>Digital Music 1 or 2</li> <li>Guitar 1 or 2</li> <li>Piano 1 or 2</li> </ul>
Other	<ul style="list-style-type: none"> <li>PE/Health (required)</li> </ul>	<ul style="list-style-type: none"> <li>PE/Health (required)</li> </ul>	<ul style="list-style-type: none"> <li>PE/Health (required)</li> </ul>	
School Events	<ul style="list-style-type: none"> <li>Juried exhibitions, adjudications, performances, musical theatre and artwork competitions, gallery openings and other events may become available.</li> </ul>			

\*High school credit upon successful completion of course and passing grade on final examination. Contact your school counselor for more information.

■ **Each year Loiederman students *MUST* take a course in—**

- English
- Mathematics
- Science
- Social Studies
- Fine Arts
- Physical Education/Health

■ **and choose additional courses from—**

- Fine Arts Electives
  - Visual Arts
  - Theatre
  - Dance
  - Choral Music
  - Instrumental Music
  - Film
- Reading
- World Languages



**What will a student schedule look like?**

A. Mario Loiederman Magnet School uses an innovative rotating schedule. Students have four classes one day and four different classes the next day. These days alternate throughout the week. A student may have a schedule like the one below.

	<b>Day A</b>		<b>Day B</b>
<b>Period 1</b>	Advanced English 6	<b>Period 2</b>	Historical Inquiries
<b>Period 3</b>	Band 1	<b>Period 4</b>	Theatre 1
<b>Lunch</b>		<b>Lunch</b>	
<b>Period 5</b>	Investigations of Mathematics	<b>Period 6</b>	Investigations in Science 6
<b>Period 7</b>	Spanish 1 A/B*	<b>Period 8</b>	Physical Education/Health

*\*High school credit upon successful completion of course and passing grade on final examination. Contact your school counselor for more information.*

## ■ **AEROSPACE TECHNOLOGY** **Advanced Mathematics and Science** **Engineering**

### ■ **Goal**

Parkland Magnet School for Aerospace Technology offers students in Grades 6, 7, and 8 a rigorous academic program focused through advanced and applied mathematics, science, and technology. All students take an interdisciplinary science and aerospace course each year and may choose to take an aerospace elective with the goal of taking a high school science course in Grade 8.

### WHAT IS SPECIAL ABOUT PARKLAND MAGNET SCHOOL?

*Walk into a building where students...*

- share a thirst for knowledge and discovery
- experience the thrill of working on real science and engineering challenges
- use mathematics to solve authentic aerospace problems
- conduct experiments in robotics that rival those faced by the Mars Rover
- work in teams to create products that solve engineering problems
- communicate scientific findings to peers and scientists
- design, build, and program robots to meet engineering challenges
- participate in a wide variety of magnet-related extracurricular activities
- collaborate with scientists and engineers on a regular basis

### IS PARKLAND MAGNET SCHOOL FOR YOU?

*Do you like...*

- learning about astronomy, robots, space exploration, satellites, and flight technology?
- experimenting with the latest technology and equipment?
- sharing the experience of competition with other students?
- inventing and explaining new ideas and technologies?
- solving engineering problems using scientific knowledge and equipment?
- collaborating with scientists and engineers to make authentic connections?

### ■ **Extended Learning Opportunities**

Parkland offers a variety of extended learning opportunities after school, including academic coaching and support in the core curriculum. Aerospace-related after-school clubs may include such offerings as astronomy and robotics. Summer programs related to the school's theme will be offered if the MCPS budget permits.

### ■ **Milestones**

As part of the MSMC, Parkland Magnet School for Aerospace Technology helps students achieve milestones in their education. Parkland staff work together to finalize milestones and magnet outcomes each year. Examples of milestones are listed below.

### ■ **Grade 6**

- **WRITING:** Write and refine a well-developed multi-paragraph essay.
- **PRESENTATION SKILLS:** Deliver an in-class explanation of a scientific finding or engineering solution.
- **PROBLEM SOLVING:** Solve a problem with set parameters and known variables.
- **RESEARCH:** Develop a guided and well-designed investigation.
- **MAGNET FOCUS:** Create an ongoing electronic portfolio of student work.

### ■ **Grade 7**

- **WRITING:** Write a persuasive essay about a scientific or engineering topic.
- **PRESENTATION SKILLS:** Deliver a proposal for a scientific experiment or engineering project to solve a problem.
- **PROBLEM SOLVING:** Solve an open-ended problem.
- **RESEARCH:** Develop a guided research project.
- **MAGNET FOCUS:** Develop an engineering solution to a student-generated topic.

### ■ **Grade 8**

- **WRITING:** Write a research paper about the scientific findings of a student-generated, well-designed investigation.
- **PRESENTATION SKILLS:** Deliver a presentation of scientific findings for a science symposium or an engineering design challenge.
- **PROBLEM SOLVING:** Solve complex open-ended problems.
- **RESEARCH:** Research and develop a well-designed and outside-reviewed investigation.
- **MAGNET FOCUS:** Develop a scientific or engineering solution to a student-generated topic with a mentor from the scientific community.

# AEROSPACE TECHNOLOGY

Students can choose from a range of courses in the accelerated core curriculum...

	<b>GRADE 6</b>	<b>GRADE 7</b>	<b>GRADE 8</b>
<b>English</b>	<ul style="list-style-type: none"> <li>Advanced English 6</li> <li>English 6</li> <li>Read 180</li> </ul>	<ul style="list-style-type: none"> <li>Advanced English 7</li> <li>English 7</li> <li>Read 180</li> </ul>	<ul style="list-style-type: none"> <li>Advanced English 8</li> <li>English 8</li> <li>Read 180</li> </ul>
<b>Mathematics</b>	<ul style="list-style-type: none"> <li>Investigations in Mathematics</li> <li>Math 6</li> <li>Math 6 Plus</li> <li>Applied Investigations in Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>Algebra 1 A/B*</li> <li>Investigations in Mathematics</li> <li>Math 8</li> </ul>	<ul style="list-style-type: none"> <li>Honors Geometry A/B*</li> <li>Algebra 1 A/B*</li> <li>Math 8</li> </ul>
<b>Social Studies</b>	<ul style="list-style-type: none"> <li>Historical Inquiries</li> <li>Global Humanities</li> </ul>	<ul style="list-style-type: none"> <li>Advanced World Studies 7</li> </ul>	<ul style="list-style-type: none"> <li>Advanced U.S. History 8</li> </ul>
<b>World Languages</b>	<ul style="list-style-type: none"> <li>French 1 A (year)</li> <li>French 1 A/B*</li> <li>Spanish 1 A (year)</li> <li>Spanish 1 A/B*</li> </ul>	<ul style="list-style-type: none"> <li>French 1 A (year)</li> <li>French 1 B* (year)</li> <li>French 1 A/B*, 2 A/B*</li> <li>Spanish 1 A (year)</li> <li>Spanish 1 B* (year)</li> <li>Spanish 1 A/B*, 2 A/B*</li> <li>Spanish for Spanish Speakers (SSS 1)</li> </ul>	<ul style="list-style-type: none"> <li>French 1 B* (year)</li> <li>French 1 A/B*</li> <li>French 2 A/B*</li> <li>French 3 A/B*</li> <li>Spanish 1 B* (year)</li> <li>Spanish 1 A/B*, 2 A/B*, 3 A/B*</li> <li>Spanish for Spanish Speakers (SSS 1 and 2)</li> </ul>
	<p>Students are encouraged to take two or three years of a high school foreign language course, with the option of beginning a second foreign language concentration in high school.</p>		

\*High school credit upon successful completion of course and passing grade on final examination. Contact your school counselor for more information.

...and a range of Parkland Magnet School specialty and advanced courses in science.

	<b>GRADE 6</b>	<b>GRADE 7</b>	<b>GRADE 8</b>
<b>Core Science</b>	<ul style="list-style-type: none"> <li>Mission Planet Earth</li> </ul>	<ul style="list-style-type: none"> <li>Advanced Human Space Exploration</li> <li>Human Space Exploration</li> </ul>	<ul style="list-style-type: none"> <li>Honors Physics A/B*</li> <li>Geoscience Exploration*</li> </ul>
<b>Core Aerospace</b>	<ul style="list-style-type: none"> <li>Comparative Planetology &amp; Orbital Mechanics</li> </ul>	<ul style="list-style-type: none"> <li>Unmanned Space Exploration</li> </ul>	<ul style="list-style-type: none"> <li>Aerospace Design and Technology</li> </ul>
<b>Magnet Electives</b>	<ul style="list-style-type: none"> <li>Introduction to Robotic Systems**</li> <li>Coding</li> <li>Principles of Flight</li> </ul>	<ul style="list-style-type: none"> <li>Invention &amp; Engineering</li> <li>Applied Robotic Programming**</li> <li>Applied Robotic Engineering**</li> <li>Forensics</li> <li>Unmanned Aerial Systems</li> </ul>	<ul style="list-style-type: none"> <li>Astronomy*</li> <li>Introduction to Engineering Design A/B*</li> <li>Unmanned Aerial Systems 2</li> </ul>
<b>Other Electives</b>	<ul style="list-style-type: none"> <li>PE/Health (required)</li> <li>Band</li> <li>Orchestra</li> <li>Art 6**</li> <li>Guitar 1</li> <li>Theater</li> <li>Digital Literacy</li> </ul>	<ul style="list-style-type: none"> <li>PE/Health (required)</li> <li>Band</li> <li>Orchestra</li> <li>Art 7**</li> <li>Introduction to Computers**</li> <li>Computer Applications**</li> <li>Guitar 1 or 2</li> <li>Theater</li> <li>Digital Literacy</li> </ul>	<ul style="list-style-type: none"> <li>PE/Health (required)</li> <li>Band</li> <li>Orchestra</li> <li>Specialty Art A** or B**</li> <li>Computer Applications**</li> <li>Guitar 1, 2</li> <li>Theater</li> <li>Digital Literacy</li> </ul>
<b>School Events</b>	<ul style="list-style-type: none"> <li>Presentations at science fairs and conferences, team problem solving and engineering design process, robotics challenges and other events that may become available.</li> </ul>		

\*High school credit upon successful completion of course and passing grade on final examination. Contact your school counselor for more information.

\*\*Course is one semester in length. Students may enroll in up to two of these courses.

*Students at Parkland Magnet School take core science courses that are connected by concepts and skills to their mathematics, science, social studies, and English courses. Students may take advanced science options courses, choosing to accelerate in the field of aerospace science.*

- **Each year Parkland students *MUST* take a course in—**
  - English
  - Mathematics
  - Social Studies
  - Core Science
  - Core Aerospace
  - Physical Education/Health
- **and choose additional courses from—**
  - Science Electives
    - Robotics
    - Flight
    - Astronomy
    - Engineering
  - Reading
  - World Languages
  - Art
  - Computers
  - Music
  - Theater



**What will a student schedule look like?**

Parkland Magnet School uses an innovative block schedule. Students have four classes one day and four different classes the next day. These days alternate throughout the week. A student may have a schedule like the one below.

	<b>Day A</b>		<b>Day B</b>
<b>Period 1</b>	Advanced English 6	<b>Period 2</b>	Advanced World Studies 6
<b>Period 3</b>	Mission Planet Earth	<b>Period 4</b>	Introduction to Robotics Systems (Sem 1) Principles of Flight (Sem 2)
<b>Lunch</b>		<b>Lunch</b>	
<b>Period 5</b>	Investigations in Mathematics	<b>Period 6</b>	Comparative Planetology & Orbital Mechanics
<b>Period 7</b>	Spanish 1 A/B*	<b>Period 8</b>	Physical Education/Health

*\*High school credit upon successful completion of course and passing grade on final examination. Contact your school counselor for more information.*

PARKLAND

## Choice Process Description

*Choice* in the Middle School Magnet Consortium involves a lottery school assignment process for Grade 5 students.

### In-Consortium

- Grade 5 students who live within the attendance area of Argyle, Loiederman, and Parkland will participate in the *Choice* process and be assigned to one of the three MSMC schools for Grade 6.

### Out-of-Consortium

- Grade 5 students who live outside the MSMC attendance area in other parts of Montgomery County may participate in the *Choice* process.

In the fall of Grade 5, in-Consortium and interested out-of-Consortium students will participate in the process by completing a *Choice* form and ranking the three MSMC schools in order of preference. Factors in the lottery process may include the total number of available seats, choice ranking, sibling link, socioeconomic status, gender, and for out-of-Consortium students, the percentage of students on the Free and Reduced-price Meals System (FARMS) at the applicant's home school. Some students who are assigned to MSMC schools may receive an assignment other than their first choice.

### Choice Forms

In mid-October, *Choice* form instructions will be mailed to the homes of MCPS Grade 5 students who live within the Consortium boundaries.

In mid-October, an online *Choice* form will be available for Grade 5 applicants who live outside the MSMC attendance area and are Montgomery County residents. The online *Choice* form for out-of-Consortium applicants will be available on the website [www.montgomeryschoolsmd.org/schools/msmagnet/](http://www.montgomeryschoolsmd.org/schools/msmagnet/). Forms must be submitted by the due date to the Division of Consortia Choice and Application Program Services (DCCAPS), 11721 Kemp Mill Road, Silver Spring, MD 20902.

## Sibling Link

Grade 5 students with a brother or sister who currently attends an MSMC school in Grade 6 or 7 are guaranteed assignment to the same MSMC school as the older sibling, if the parent completes the sibling link section on the *Choice* form. Failure to complete this section may result in sibling assignment to different schools.

## Choice Process Appeals

A process is in place for parents with a unique verifiable hardship to appeal their child's school assignment. The reasons for the appeal must be clearly documented in writing. The first level of appeal is administered by the Division of Consortia Choice and Application Program Services. The second level of appeal is administered by the Office of the Chief Operating Officer, Montgomery County Public Schools.

## Change of Choice

In February, parents of Grade 6 MSMC students who wish to request a change of MSMC school for the following school year may complete a *Change of Choice* request form. Current Grade 7 students are not eligible to participate in the process, due to sequencing of courses in the magnet focus. *Change of Choice* request forms will be available in early February at all three MSMC school counseling offices. The *Change of Choice* process considers a variety of factors when reassigning students to schools. These factors include the number of available seats, socioeconomic status, and gender. If a *Change of Choice* request is denied, the parent may appeal the decision in writing, as described above.

## Choice Process Timeline

September/ October	<ul style="list-style-type: none"> <li>• Middle School Magnet Consortium (MSMC) information flyer mailed to homes of MCPS Grade 5 students.</li> <li>• Evening MSMC information meetings. For details, visit the website <a href="http://www.montgomeryschoolsmd.org/schools/msmagnet/">www.montgomeryschoolsmd.org/schools/msmagnet/</a>.</li> </ul>
October/ November	<ul style="list-style-type: none"> <li>• Evening <i>Open Houses</i> held at Argyle, Loiederman, and Parkland middle schools.</li> <li>• <i>Choice</i> form submission instructions are mailed to homes of MCPS Grade 5 students who live within the MSMC boundaries.</li> <li>• Online <i>Choice</i> forms for interested Grade 5 students who are Montgomery County residents and live outside the MSMC boundaries are available from the website <a href="http://www.montgomeryschoolsmd.org/schools/msmagnet/">www.montgomeryschoolsmd.org/schools/msmagnet/</a>.</li> <li>• Evening student enrollment held for parents of current private school and home schooled students who are Montgomery County residents. Call 240-740-2540 to schedule an appointment.</li> </ul>
<b>■ Round 1</b>	
November	<ul style="list-style-type: none"> <li>• <i>Choice</i> forms due.</li> </ul>
January	<ul style="list-style-type: none"> <li>• Notification letters mailed to homes of Round 1 participants.</li> </ul>
<b>■ Round 2 and Change of Choice</b>	
February	<ul style="list-style-type: none"> <li>• <i>Choice</i> forms due from new in-Consortium Grade 5 students and from interested out-of-Consortium students who did not participate in Round 1.</li> <li>• Letters due to DCCAPS office from parents of students who did not receive their first choice school and are requesting that their original <i>Choice</i> form be resubmitted in Round 2.</li> <li>• <i>Change of Choice</i> request forms due to DCCAPS office from parents of current MSMC Grade 6 students requesting assignment to a different MSMC school for the next school year. (See page 11 for details). Forms available in early February from MSMC school counseling offices.</li> <li>• Resubmit forms due from parents of students who did not receive their first choice school in Round 1 and want to participate in Round 2. (Original Round 1 choices will be resubmitted in Round 2.)</li> </ul>
March	<ul style="list-style-type: none"> <li>• Notification letters mailed in late March to homes of Round 2 and <i>Change of Choice</i> participants.</li> </ul>
<b>■ Appeals</b>	
April	<ul style="list-style-type: none"> <li>• Letters of appeal due to DCCAPS office from parents of students appealing the school assignment decision.</li> </ul>

**Note:** For further information about the Middle School Magnet Consortium, visit the website [www.montgomeryschoolsmd.org/schools/msmagnet/](http://www.montgomeryschoolsmd.org/schools/msmagnet/) or contact the Division of Consortia Choice and Application Program Services (DCCAPS) at 240-740-2540. The DCCAPS office is located at 11721 Kemp Mill Road, Silver Spring, MD 20902.

## Transportation to MSMC Schools

### In-Consortium

In-Consortium students who live beyond the MCPS designated walking distance of their assigned MSMC school are provided transportation from neighborhood bus stops. Walking distance is determined by MCPS and is approximately 1.5 miles for middle school students. Bus routes will be established in the summer, after *Choice* assignments are made. In-Consortium students live within the following elementary school boundaries:

### MSMC Feeder Elementary Schools

Bel Pre  
Brookhaven  
Georgian Forest

Harmony Hills  
Sargent Shriver  
Strathmore

Viers Mill  
Weller Road  
Wheaton Woods

### Out-of-Consortium

Parents of accepted students who live in all other areas of Montgomery County must provide their own transportation to MSMC schools.

## FREQUENTLY ASKED QUESTIONS

### What is the magnet focus at each Middle School

#### Magnet Consortium (MSMC) school?

- Argyle Magnet School for Digital Design and Development has an emphasis on advanced computer science and digital design.
- A. Mario Loiederman Magnet School for the Creative and Performing Arts has an emphasis on advanced arts.
- Parkland Magnet School for Aerospace Technology has an emphasis on advanced science and engineering.

### Which MSMC schools offer advanced mathematics classes?

All three MSMC schools offer advanced mathematics courses through at least Honors Geometry.

### Who participates in the MSMC Choice Process?

- Grade 5 students who live within the attendance area of the three MSMC schools will participate in the *Choice* process and be assigned to one of the MSMC schools for Grade 6.
- Grade 5 students who live in other areas of Montgomery County may participate in the MSMC *Choice* process for Grade 6.
- Students in Grades 6–8 who move into MSMC neighborhoods during the school year will participate in the *Choice* process and be assigned to one of the MSMC schools for the current year.

### Will current Grade 6 students who live outside the Consortium area have the opportunity to participate in the MSMC Choice process for the next school year?

Current Grade 6 students may participate in the *Choice* process. Factors that may be considered in the process include the total number of available seats, total number of applicants for those seats, choice ranking, sibling link, socioeconomic status, gender, and the percentage of students on the Free and Reduced-price Meals System (FARMS) at the applicant's home school. Some students who are invited to MSMC schools may receive a school assignment other than their first choice. Students currently in Grade 7 are not eligible to participate in the *Choice* process for the next school year, due to sequencing of courses in the school's magnet focus.

### Which students are provided transportation to MSMC schools?

Transportation is provided for students who live within the MSMC attendance area and beyond walking distance of their assigned MSMC school. Walking distance is determined by MCPS and is approximately 1.5 miles for middle school students. Parents of accepted students who live in all other areas of Montgomery County must provide their own transportation to MSMC schools.

### When and where will Choice forms be available?

- *Choice* forms will be available in mid-October.
  - MCPS Grade 5 students who live within the MSMC area will receive *Choice* form submission instructions by mail. (See MSMC feeder elementary schools on page 12.)
  - Parents of Grade 5 students who live in other areas of Montgomery County will be able to obtain a *Choice* form from the website [www.montgomeryschoolsmd.org/schools/msmagnet/](http://www.montgomeryschoolsmd.org/schools/msmagnet/).

### When and where will Choice forms be due?

- *Choice* forms are due in early November. The due date will be indicated on the form.
  - All Grade 5 students who attend MSMC feeder elementary schools (see page 12) will submit the online *Choice* form by the due date.
  - *Choice* forms for all other Grade 5 applicants must be submitted online by the due date.

### What criteria will be used for selecting students who live outside the Consortium?

No test is required for admission to MSMC schools. A variety of factors are considered when selecting students for MSMC schools. Factors in the lottery process may include the total number of available seats, total number of applicants for those seats, choice ranking, sibling link, socioeconomic status of the applicant, gender of the applicant, and the percentage of students on the Free and Reduced-price Meals System (FARMS) at the applicant's home school. No one factor determines whether a student is invited to attend one of the three schools. Some students who are invited to MSMC schools may receive a school assignment other than their first choice.

### How are in-Consortium students who do not complete a Choice form assigned to an MSMC school?

In-Consortium students who do not submit a *Choice* form will be assigned to an MSMC school based on available number of seats, socioeconomic status, and gender.

# HIGH SCHOOL OPTIONS

## What high school options are available to students who complete middle school in the Middle School Magnet Consortium?

Grade 8 students who attend Argyle, Loiederman, and Parkland magnet schools have a wide range of high school options to consider.

### 1 OPTION ONE

#### Grade 8 students who live within the Downcounty Consortium (DCC) attendance area

(See the list below of elementary school neighborhoods located in the DCC).

- will participate in Round 1 of the DCC high school *Choice* process and will rank the five DCC high schools in order of preference.

#### Grade 8 MSMC students who live outside the Downcounty Consortium attendance area

- may participate in Round 2 of the DCC high school *Choice* process for assignment to a DCC high school.

**OR**

- may elect to attend their home high school, the high school to which they would traditionally be assigned based on their home address.

#### High Schools in the Downcounty Consortium

The five DCC high schools are Montgomery Blair, Albert Einstein, John F. Kennedy, Northwood, and Wheaton. Each of these schools provides a comprehensive high school curriculum, clubs, activities, and athletics, plus academies that meet the interests of students and prepare them for college and future careers. (See the list of academies on page 15).

Grade 8 students who live within the attendance boundaries of the Downcounty Consortium will participate in Round 1 of the DCC high school *Choice* process. In October, *Choice* form submission instructions will be mailed to students' homes. Students and their parents will rank the five high schools in order of preference and submit the form online by the November due date.

Grade 8 MSMC students who live outside the attendance boundaries of the Downcounty Consortium may participate in Round 2 of the DCC high school *Choice* process. In January, *Choice* form submission instructions will be mailed to their homes. These students and their parents can participate in the process by ranking the five high schools in order of preference and submitting by the February due date.

Visit the website [www.montgomeryschoolsmd.org/schools/downcounty/](http://www.montgomeryschoolsmd.org/schools/downcounty/) or call the DCCAPS office at 240-740-2540 for more information.

### Elementary School Neighborhoods in the Downcounty Consortium (DCC)

The elementary school neighborhoods listed below are part of the Downcounty Consortium. Grade 8 students who live in these neighborhoods will participate in Round 1 of the DCC high school *Choice* process.

- |                      |                         |                   |                 |
|----------------------|-------------------------|-------------------|-----------------|
| ■ Bel Pre            | ■ Harmony Hills         | ■ Oakland Terrace | ■ Strathmore    |
| ■ Brookhaven         | ■ Highland              | ■ Pine Crest      | ■ Takoma Park   |
| ■ East Silver Spring | ■ Highland View         | ■ Piney Branch    | ■ Viers Mill    |
| ■ Forest Knolls      | ■ Kemp Mill             | ■ Rock View       | ■ Weller Road   |
| ■ Georgian Forest    | ■ Montgomery Knolls     | ■ Rolling Terrace | ■ Wheaton Woods |
| ■ Glenallan          | ■ New Hampshire Estates | ■ Sargent Shriver | ■ Woodlin       |
| ■ Glen Haven         | ■ Oak View              | ■ Sligo Creek     |                 |

# HIGH SCHOOL OPTIONS

## DCC High Schools and Academies\*

### ■ Montgomery Blair High School

- Entrepreneurship & Business Management
- Human Services Professions
- International Studies & Law
- Media, Music & The Arts
- Science, Technology, Engineering & Math

### ■ Albert Einstein High School

- Finance, Careers & Technology
- International Baccalaureate (IB) Diploma Programme
- Renaissance
- Visual & Performing Arts

### ■ John F. Kennedy High School

- Broadcast Journalism & Communications
- Business Administration & Management
- Healthcare Professions
- International Baccalaureate (IB) Diploma Programme
- Naval Junior Reserve Officers Training Corps (NJROTC)
- Teacher Academy of Maryland

### ■ Northwood High School

- Finance, Accounting, Marketing & Education
- Humanities, Art & Media
- Montgomery College Middle College at Northwood
- Music, Theatre & Dance
- Politics, Advocacy & Law
- Technological, Environmental & Systems Sciences

### ■ Wheaton High School

- Bioscience
- Engineering
- Global Studies Academy
- Information Technology

*\*To learn about the DCC high schools and academies, visit the website [www.montgomeryschoolsmd.org/schools/downcounty/](http://www.montgomeryschoolsmd.org/schools/downcounty/). Academies and courses are subject to change. For more information, contact the schools.*

## 2

### OPTION TWO

**Grade 8 students who attend MSMC schools may apply to one or more of the high school application-only programs available to students who live within the DCC and/or attend DCC middle schools:**

- **Biomedical Program at Wheaton High School.** Visit the website [www.montgomeryschoolsmd.org/schools/wheatonhs/](http://www.montgomeryschoolsmd.org/schools/wheatonhs/) or call 301-321-3315 for information.
- **Communication Arts Program (CAP) at Montgomery Blair High School.** Visit the website <http://cap.mbhs.edu/> or call 301-649-2854 for information.
- **Engineering Programs at Wheaton High School.** Visit the website [www.montgomeryschoolsmd.org/schools/wheatonhs/](http://www.montgomeryschoolsmd.org/schools/wheatonhs/) or call 301-929-2050 for information.
- **Leadership Training Institute (LTI) at John F. Kennedy High School.** Visit the website [www.montgomeryschoolsmd.org/schools/kennedyhs/programs/lti/index.aspx](http://www.montgomeryschoolsmd.org/schools/kennedyhs/programs/lti/index.aspx) or call 301-962-5930 for information.

## 3

### OPTION THREE

**Grade 8 students who attend MSMC schools may apply to one or more of the countywide application-only programs available to MCPS students:**

- Regional IB programme at Kennedy, Springbrook or Watkins Mill High Schools
- International Baccalaureate (IB) Diploma Programme at Richard Montgomery High School
- Science, Mathematics, Computer Science Magnet Program at Montgomery Blair High School†
- Visual Art Center at Albert Einstein High School
- Whole School Magnet Program at Poolesville High School
  - Global Ecology House
  - Humanities House‡
  - Science, Mathematics, Computer Science House‡

Visit the website [www.montgomeryschoolsmd.org/curriculum/specialprograms/high/](http://www.montgomeryschoolsmd.org/curriculum/specialprograms/high/) to learn about other regional programs available for your student.

## 4

### OPTION FOUR

**Grade 8 students who attend MSMC middle schools may apply to the countywide application-only career-themed programs available at Thomas Edison High School of Technology (TEHST):**

- MCPS students may apply to TEHST† or Seneca Valley HS‡.

Visit the website [www.montgomeryschoolsmd.org/schools/edison/](http://www.montgomeryschoolsmd.org/schools/edison/) and/or contact TEHST at 240-740-2000

† Application program available to students who live within the high school clusters of Bethesda-Chevy Chase, Churchill, the Downcounty Consortium (Blair, Einstein, Kennedy, Northwood, and Wheaton), Rockville, Richard Montgomery, the Northeast Consortium (Blake, Paint Branch, and Springbrook), Sherwood, and Whitman.

‡ Application program available to students who live within the high school clusters of Clarksburg, Damascus, Gaithersburg, Magruder, Northwest, Poolesville, Quince Orchard, Seneca Valley, and Watkins Mill.

Maryland's Largest School District

## **MONTGOMERY COUNTY PUBLIC SCHOOLS**

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