



## Parkland Magnet Middle School for Aerospace Technology

4610 W Frankfort Dr. Rockville MD 20853 / Main Office 240.740.6800

<https://www.montgomeryschoolsmd.org/schools/parklandms/>

Principal: Aaron Shin - [Aaron\\_K\\_Shin@mcpsmd.org](mailto:Aaron_K_Shin@mcpsmd.org)

Magnet Coordinator: Tashia Tillett - [Tashia\\_E\\_Tillett@mcpsmd.org](mailto:Tashia_E_Tillett@mcpsmd.org)

At Parkland, we believe that every student regardless of socioeconomic status, ethnicity, past history and academic background will have access to opportunities for success socially and academically in our unique whole-school magnet program. We will provide the support necessary for every student to succeed. We believe... **“Every Student, Whatever it Takes!”**

### Accelerated Science

Students complete two enriched and aerospace-focused science courses and completely cover the Maryland middle school science indicators by Grade 7. In 8th Grade, students take either Honors Physics or Earth Systems and Sustainability for high school credit. Additionally all 8th students partake in a year long CAPSTONE Project while working with business partners and stakeholders to solve a real world problem.



### Partnerships

Curiosity Cube

- Civil Air Patrol
- Kid Museum
- Lockheed Martin
- Montgomery College
- NASA & • NOAA
- Northrop Grumman
- Passion 4 Learning
- Society of Hispanic Professional Engineers
- University of Maryland Clark School of Engineering

### Program Goals

- Students engage rigorously in the process skills of science through real-world applications
- Students demonstrate the ability to solve problems with technology using a systems approach, higher level thinking skills, individual and collaborative ingenuity, and a variety of resources.
- Students consistently produce quality pieces of technical writing.
- Students become independent, responsible self learners who are self-advocates that seek out support when needed.
- Students complete a high school science class in Grade 8 that counts towards HS credit

### After School Activities

Civil Air Patrol, Drama Club/Stage Crew, First Lego League Robotics Club, Interscholastic Sports (Gr. 7 & 8), Intramural Sports (all grades), Jazz Band, Math Team, National Junior Honor Society, STEM Club, Student Government Association, Yearbook Club, Writer Circle, Mindful Movement (Yoga), Weight Training, Tennis, Grrl Tech, and more.



### Specialized Magnet Courses

**6th grade**—Coding, Invent the Future, Principles of Flight, and Introduction to Robotics

**7th grade**—Applied Robotic Engineering, Applied Robotic Programming, Forensics, 3D Printing, and Invention and Engineering

**8th grade**— Computer Science Discoveries, Invent the Future, Introduction to Engineering Design (HS Credit)



### High School Credit Offerings

#### **Science**

Earth Systems and Sustainability  
Honors Physics  
Intro to Engineering Design  
Astronomy

#### **Mathematics**

Algebra 1  
Honors Geometry

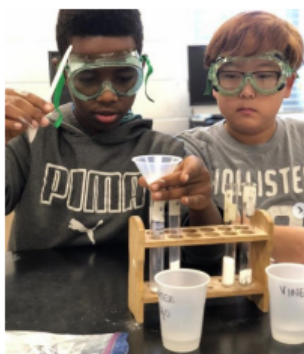
#### **Foreign Language**

French 1, 2, 3  
Spanish 1, 2, 3  
Spanish for Spanish Speakers 1 & 2



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## **Parkland Aerospace/ Science Activities**



**Robotics Night** - students present classroom projects and compete with others to accomplish a task.

**Family STEAM Night** - Partners present STEM activities and discuss their jobs with students and parents

**Noche de Ciencias** - Society of Hispanic Professional Engineers present to students and parents how to apply to college and pursue STEM fields.



## **Parkland Yearly Activities**

**Outdoor Ed - Grade 6**

**Financial Park - Grade 7**

**Medieval Times - Grade 7**

**Career Day - Grade 8**



## **Parkland Field Trips**

**Washington, DC**

**iFly**

**Harpers Ferry**

**Kid Museum**