



Parkland Magnet Middle School for Aerospace Technology

www.parklandmagnet.org ~ OPEN HOUSE—October 22nd, 6 p.m.
Main Office—240-740-6800

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!"

Magnet Coordinator—Patricia Thompson—Patricia_C_Thompson@mcpsmd.org

Principal—Aaron Shin—Aaron_K_Shin@mcpsmd.org

Program Goals and Course Offerings

Science Coursework

Students complete two enriched and aerospace-focused science courses in Grades 6 & 7; a complete coverage of the Maryland middle school science indicators. In 8th Grade, students take either Honors Physics or Geoscience Exploration for high school credit.

In addition to the core science curriculum, students can also take several of the following electives:

- Astronomy (HS Credit), Applied Robotic Engineering, Applied Robotic Programming, Forensics, Introduction to Engineering Design (HS Credit), Introduction to Robotic Systems, Invention and Engineering, Principles of Flight

Milestones

- Students complete yearly milestones in the areas of technical writing, presentation, problem solving, and scientific and technological research.



Students conduct an authentic research project in which they develop a question that includes a well-designed procedure with independent and dependent variables. Students can work with partner mentors to support their research as well as enter their projects into the county science fair. As a culminating activity, students present their project at our STEM night.



Program Goals

- Students complete Algebra 1 by the end of Grade 8.
- 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 and are able to take the PSAT in order to be college and career ready.

Parkland Partners

Parkland Magnet collaborates with business and universities to bring the latest aerospace technologies and resources to our students. Partnerships include:

- AFI Silver Theater
- Civil Air Patrol
- Kid Museum
- Lockheed Martin
- The Mars Society
- Montgomery College
- NASA
- NOAA
- Northrop Grumman
- Passion 4 Learning
- Society of Hispanic Professional Engineers
- University of Maryland Clark School of Engineering



Instrumental Music

High School Courses Offered at Parkland

Science

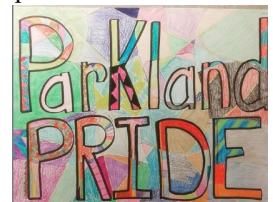
Geoscience Explorations
Honors Physics
Introduction to Engineering Design
Astronomy

Mathematics

Algebra 1
Honors Geometry

Foreign Language

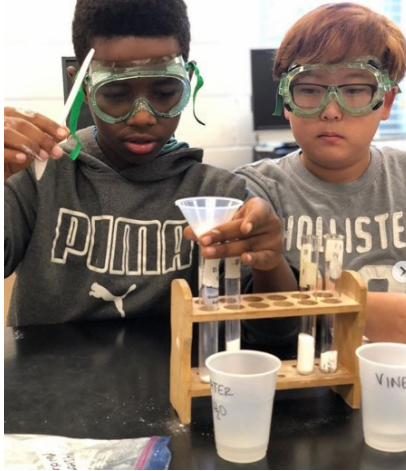
French 1, 2, 3
Spanish 1, 2, 3
Spanish for Spanish Speakers 1 and 2



After School Activities Offered at Parkland

Civil Air Patrol—Parkland Squadron MD-801
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
Strathmore Choral Program
Writer Circle
Mindful Movement (Yoga)
Gavel Club (Debate)
Weight Training
Tennis
Grrl Tech
Afterschool clubs subject to change.

Parkland Magnet Middle School



Parkland Aerospace/Science Activities

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

STEAM Night - students present their Milestone Projects and interact with our partners during special presentations and hands-on activities

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 Day - Grade 7

Career Day - Grade 8

Band, Orchestra and Guitar Concerts

Language Arts Showcase



Parkland Field Trips

Washington, DC

iFly

Antietam

Kid Museum



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