

## THE ACADEMY PROGRAMS



At Paint Branch High School, there's truly something for everyone. We offer a variety of special programs and extra-curricular activities to accommodate our diverse community of learners.

**The Academies** at Paint Branch High School are unique programs, often part of larger, national, college preparatory programs, which give our students various learning opportunities.

### NJROTC

The NJROTC program at Paint Branch is sponsored by the U.S. Navy and MCPS. The curriculum is divided into **academic studies** and **leadership development**. Academic studies introduce the historical, scientific, and technical aspects of naval science. Leadership development concentrates on Cadet Corps activities, drill and ceremonies, **improving study habits** and **time-management skills**, developing **effective communication skills**, and learning **sound problem-solving techniques**.



### Academy of Finance

The Academy of Finance, part of the National Academies Foundation prepares students for post-secondary education in **business** and **finance**-related majors that demand a **strong academic foundation**. Students take business courses, a **culminating internship** their senior year, and have the opportunity to **run the school bank**, Panther Trust, completely

### Restaurant Management & Culinary Arts



The Restaurant Management and Culinary Arts Program is accredited by the American **Culinary Federation** and is designed for students interested in exploring a career in food service and culinary arts. Students work together in a **state-of-the-art commercial chef's kitchen** to manage the **school's restaurant**, the Panther Paw. The restaurant opens twice a week beginning in October and is available for staff and students to enjoy freshly prepared foods. Additionally, students are able to earn student service

learning hours for the time spent assisting with catering school events including the senior awards ceremony, banquets for sports teams, and graduation. Students in this program work together to **develop the menu**, **market the restaurant**, and **calculate food costs** while establish a basic foundation in the culinary arts.

### AVID

The AVID Program (Advancement Via Individual Determination) explicitly teaches students the skills they need to be successful in a **rigorous academic curriculum**. Students in general education courses who possess potential for academic rigor, but lack the necessary skills and/or support systems are identified. The goal of AVID is to increase access to higher level academic courses, and help them succeed with increased rigor. A team of trained educators work together to create opportunities for students both inside and outside the classroom. AVID students get the opportunity to take **higher level courses** and eventually attend **colleges or universities** upon graduation from high school.



### Engineering

The Academy of Engineering Technology is part of the National Academy of **Project Lead the Way (PLTW)**, which prepares interested students to be successful in **engineering and engineering technology** programs. Students will develop a solid background in **math skills** and concepts, preparing them to succeed in college mathematics, and have a solid background for engineering technology.



EXCELLENCE through EFFORT

# Paint Branch High School

14121 Old Columbia Pike, Burtonsville, MD 20866

Main Office: 301-388-9900 Fax: 301-989-5609

[www.mcps.k12.md.us/schools/paintbranchhs](http://www.mcps.k12.md.us/schools/paintbranchhs)

Afie Mirshah-Nayar Ed. D., Principal





# Welcome to Paint Branch High School



At Paint Branch High School Academy of Science and Media, we are a diverse community of learners, with students representing more than 91 countries. Our mission is to partner with students, parents, and community members, while actively collaborating with regional to international communities to ensure student excellence and success. We learn through ongoing, interactive, and challenging endeavors, that lead to excellence in all aspects of life. We strive toward high standards by promoting curiosity, innovation, self-discipline, effort, responsibility, and respect. We develop transferable skills and knowledge that will sustain life-long learning in a caring, safe, and stimulating environment, where we value all as individuals and as learners.

The 21st Century is an era of accelerating change, placing new demands on the way individuals live, learn, and work. Our world is evolving into an information-driven, global community in which technologies are created and refined daily. At Paint Branch High School, we address the current and future demand for individuals to be highly adaptable, and to have strong investigation, information, and interpersonal skills. We are a community that engage and support each other in an unparalleled manner, staying true to the Vision of an "innovative learning environment with the highest expectations." We remain dedicated to advancing the academic, social and personal development of all of our students, and for preparing them for successful post-

secondary experiences, in a rapidly changing world. While our expectations are high, I am confident that you will join me in supporting our students, and that you will not settle for anything less than their very best each and every day.

Sincerely,

Afie Mirsha-nayar, Ed. D.



## The Science Signature

The **Science Signature** at Paint Branch High School offers our students exciting and varied opportunities to explore sciences first hand, and apply what was learned from the classroom with real life experiences through internships to prepare them for post-secondary education.

Our **Medical Science Program** is one of the leading programs in the state of Mary-

land. The students and teachers have been recognized by numerous county, state and national institutions. Graduates of this program have continued their college studies in medicine as physicians, surgeons, nurses, operating room specialists and pharmacists. Other graduates have pursued degrees and careers in biomedical engineering, scientific research and teaching.

Our **Certified Clinical Medical Assistant** course is one of four offered in Montgomery County. This program enables students to gain a specialized skill-set related to facilitating the high demands of a healthcare facility. Students learn to administer medications, assist with minor procedures, perform electrocardiograms, all while having the opportunity to obtain Certification.

### Are you interested in...

- Medicine
- Forensic Science
- Engineering Science
- Sports Medicine
- Surgery
- Biomedical Engineering
- Exercise Science
- Nursing
- Genetics
- Stem Cell Research
- Biotechnology
- Horticultural Science
- Environmental Science
- Physics
- Astronomy
- Chemistry

...pursue your goals & dreams at Paint Branch.

"Getting my Certified Nursing Assistant (CNA) license, and interning at Holy Cross Hospital through the Medical Science Program was the most valuable experience I've had. After getting direct patient care experience in the Labor & Delivery unit, I know for certain that I want to become an Obstetrician."



## Signature Science Courses

### Academy of Health Professions

- Structures & Function of the Human Body
- Foundations of Medicine
- Certified Clinical Medical Assistant
- Medical Science with Clinical Applications
- Medical Science Internship

### Life Science

- AP Biology
- AP Environmental Science
- AP Chemistry
- Honors Biology
- Honors Chemistry
- Forensics
- Anatomy & Physiology
- Science Internship

### Physical Science & Engineering

- Software Applications by Design
- Advanced Design Applications
- Principles of Engineering
- Intro. To Engineering Design
- Civil Engineering & Architecture
- Digital Electronics
- Engineering Design & Development
- Foundations of Technology
- C.O.D.E.
- Honors & AP Physics

## The Media Signature



The **Media Signature** at Paint Branch High School develops the intellectual, creative and communication skills of students in a uniquely interdisciplinary, highly product oriented program that involves them in an interactive exploration of humanities and the media. Using state of the art television and radio studios, students produce award winning daily television broadcasts, documentaries and radio broadcasts. Print publication uses online publishing and photography to prepare students for successful college careers and life-long learning in the media fields.

### Are you interested in...

- Broadcast Journalism
- Animation
- Television
- Radio
- Public Speaking
- Set Design
- Photography
- Theater
- Videography
- Digital Art
- Computers
- Internet
- Creative Writing
- Print Journalism
- Feature & Documentary Development

...come to Paint Branch and explore a world of opportunities.

"There are so many opportunities at Paint Branch... as long as you work hard, you can pursue anything and everything you want."

## Media Signature Courses

### Television Production

- Video Production A/B
- Electronic Video Field Production A/B
- Media Management & Production A/B

### Radio Production

- Radio Production A/B
- Electronic Audio Field Production A/B
- Radio Station Management Operations A/B

### Electronic & Print Media

- Journalism— Editing/News Production
- Journalism— Advanced Techniques
- Digital Art
- Photography
- Yearbook
- Website Development
- Literary Magazine— Advanced Composition
- Stage Design
- Advanced Acting
- Play Directing



## There's a place for everyone in the Panther family...

"Choosing Paint Branch is one of the best decisions I have ever made. Not only am I ready for college, but I have become a part of a community that will stay with me forever."



"Being a part of Mainstream (Paint Branch High School Newspaper) means being a part of a family; this class is more than a publication, it's a home."



"My favorite thing about Paint Branch is the teachers...you know they really care about you. They're not only there to help you after school, but they're also there cheering for you in the stadium."

