

2023-2024 Profile  
RICHARD MONTGOMERY  
HIGH SCHOOL

*Founded 1892*

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ADMINISTRATION

Principal	Ms. Alicia Deeny
Assistant Principal	Ms. Robin Wheeler
Assistant Principal	Mr. Matthew Martini
Assistant Principal	Mr. Kevin Jefferson
Assistant Principal	Ms. Sara Baudry
Magnet Coordinator	Mr. Joseph Jelen

SCHOOL LEADERSHIP

IB Diploma Programme Coordinator	Ms. Amanda Trivers
IB Middle Years Programme Coordinator	Ms. Molly Clarkson

SCHOOL COUNSELING DEPARTMENT

Resource Counselor	Ms. Antoinette Phillips
Counselor	Ms. Evan Anderson
Counselor	Ms. Shannon Chen
Counselor	Ms. Julie Colatrella
Counselor	Mr. Paul Craft
Counselor	Mr. Geoffrey Finch
Counselor	Ms. Betsy Galiano
Counselor	Ms. Erica LeBright
Counselor	Ms. Megan Litten
Counselor	Ms. Brigid McKelvey
Counselor	Mr. Marcus Turner
Registrar	Ms. Erin Stamets
College and Career Coordinator	Ms. Lisa Miller

THE COMMUNITY AND THE SCHOOL

Richard Montgomery High School (RMHS) opened in 1892 as the first high school in Montgomery County. It is located in Rockville, Maryland, a suburb in the Washington, DC, metropolitan area. The Rockville community makes up the second largest city in Maryland and has a socio-economically diverse population representing the cultures of seventy countries. With 27% Hispanic students, 15% African American students, 24% Asian students; 28% White students; and 6% multiracial students, RMHS mirrors the ethnic diversity of Montgomery County. A school of 2,397 students, RMHS maintains a comprehensive four-year curriculum that includes the students of an International Baccalaureate Program, a Middle Years Program, a rich Advanced Placement Program, an Honors Program, Special Education, and an English Language Development Program (ELD Program). The school benefits immensely from all of its programs and has blended them into a unified and successful academic community.

## ACADEMIC PROGRAMS

### ADVANCED PLACEMENT AND HONORS PROGRAM:

Richard Montgomery High School has received national acclaim for the depth and breadth of its Advanced Placement (AP) Program. Students may choose from among 26 AP courses. For the May 2023 AP exams, Richard Montgomery administered 2,115 exams to 1,014 students. Of the 2,115 scores, 83% were 3 or higher, and 61% were 4 or 5. In addition to AP and IB courses, Richard Montgomery offers honors and other advanced level courses, which are designated with “HON” or “ADV” on student transcripts.

<u>Advanced Placement Courses:</u>	<u>Advanced Level Courses:</u>
2-D Art & Design	Advanced Ceramics/Sculpture 3, 4
3-D Art & Design	Advanced Composition
Art History	Advanced Computer Programming 3
Biology	Advanced Design Applications
Calculus AB	Advanced Journalism (newspaper)
Calculus BC	Advanced Journalism (yearbook)
Chemistry	Advanced Orchestra
Chinese Language & Culture	Advanced Studio Art 3
Computer Science A	Advanced Technological Applications
Computer Science Principles	Anatomy & Physiology
Economics - Macro	Art & Culture
Economics - Micro	Calculus/Applications
English Language & Composition	Chinese Language, levels 5-7
English Literature & Composition	Engineering Design
Environmental Science	Forensic Science
French Language & Culture	French Language, levels 5-7
Human Geography	Internship
Latin	LGBTQ
Modern World History	Linear Algebra
Physics 1	Photography
Physics C (Elect. & Mag, & Mechanics)	Multivariable Calculus/ Differential Equations
Psychology	Music Theory and Composition
Spanish Language & Culture	Spanish Language, levels 5-7
Statistics	Studio Art
U.S. Government & Politics	Website Development
U.S. History	

### ENGLISH LANGUAGE DEVELOPMENT PROGRAM (ELD Program):

The Richard Montgomery High School ELD Program supports Emergent Multilingual Learner (EML) to prepare them for a successful life in the United States socially, emotionally, and academically. We provide rigorous English instruction based on their grade level and language level. This may be in a class with other EML or in comprehensive program English class that is cotaught by a content teacher and an EML certified teacher. In addition, students who are beginner and intermediate English speakers receive support in other content classes. We provide additional counseling support for students and support for parents. Not only do we work to bolster their academic English, we teach creative problem-solving skills in order that these students thrive in school, college, and a career, and to contribute to our community as global citizens. We strategically provide students with opportunities to participate in, and contribute to, the Richard Montgomery community to achieve their fullest potential. Additionally, specified students can participate in our METS (Multi-disciplinary Education Training and Support) program, which is designed to meet the linguistic and academic needs of EML students who have had interrupted schooling. The approach used in this program combines English language development as well as sheltered instruction in reading and math.

## ACADEMIC PROGRAMS

### MAGNET PROGRAM:

Richard Montgomery High School's Magnet Program is an IB continuum model recognized for its excellence throughout the world. Each year the school accepts approximately 125 students from a pool of over 1,000 applicants countywide. Acceptance is based on a portfolio containing test scores, writing samples, and a resume. The Magnet Program provides these students with a rigorous and demanding interdisciplinary liberal arts education, which, upon completion of the designated course of study, earns them an internationally recognized diploma. Magnet students also take advantage of the many AP classes offered at the high school and sit for both AP and IB examinations. RMHS offers the IB Middle Years curriculum program at the magnet level in 9th and 10th grades, as well as the IB Diploma Program in 11th and 12th grades. Richard Montgomery Magnet and IB courses are advanced level classes and are designated "RMS" on student transcripts.

### RICHARD MONTGOMERY MAGNET COURSES:

RMS English 9 & 10

RMS World Languages – Chinese, French, Spanish

RMS Geometry

Analysis & Application of Functions

IB Precalculus

RMS Biology

Magnet Chemistry

AP US Government

AP US History

### IB MIDDLE YEARS PROGRAMME (MYP):

The Richard Montgomery High School MYP is the first of its kind in the state of Maryland to be authorized and accredited by the International Baccalaureate (IB). The MYP is a five-year program for students aged 11-16 years. The high school portion of the program therefore exists in partnership with our local middle school, Julius West (Grades 6-8). Students continue in the MYP at RMHS and engage in a rigorous course of study in six or more subject areas. These include: English Language Arts, World Languages, Humanities, Mathematics and Sciences as required subjects, and at least one of three elective subjects including Visual and Performing Arts, Design Technology and Physical and Health Education. In grade 10, students undertake a long-term, independent research project called a Personal Project. Students who have successfully completed the project will show a passing mark (CR) for the "MYP Research Seminar" course on their transcripts.

### IB DIPLOMA PROGRAMME (DP):

The Richard Montgomery High School DP, founded in 1987, has been continuously authorized and accredited by the International Baccalaureate Organization (IBO). The DP is a two-year program for students in 11<sup>th</sup> and 12<sup>th</sup> grades. The requirements for an IB diploma include IB course work and passing scores on examinations in English, a world language, mathematics, experimental science, social studies, and one elective; completion of a course entitled Theory of Knowledge, a 4,000-word extended essay, and significant Creativity, Activity and Service (CAS) experiences. On average, approximately 40 students join the full IB Diploma Programme beginning in their 11<sup>th</sup> grade year. These students join the magnet program cohort of students in pursuing the full IB Diploma. Students who joined in 11<sup>th</sup> grade did not take magnet courses in 9<sup>th</sup> and 10<sup>th</sup> grades but rather took rigorous classes as a part of the Middle Years Programme.

### RICHARD MONTGOMERY DP COURSES:

IB English Language and Literature

IB English Literature

IB World Languages– Chinese, French, Spanish

Through level 7 bilingual fluency

IB History: Europe

IB History: Africa

IB Economics

IB Global Politics

IB Philosophy

IB Biology  
IB Chemistry  
IB Environmental Systems & Societies  
IB Physics  
IB Mathematics: Applications & Interpretation  
IB Mathematics: Analysis & Approaches  
IB Computer Science  
IB Film  
IB Social & Cultural Anthropology  
IB Sports, Exercise, & Health Science  
IB Theatre  
IB Visual Arts

## STUDENTS

Seniors:	551	Sophomores:	643
Juniors:	510	Freshmen:	693

## STUDENT HONORS AND AWARDS CLASSES OF 2022 AND 2023

24 National Merit Scholarship Finalists (Class of 2023)  
2 Corporate-Sponsored National Merit Scholarship Finalists (Class of 2022)  
72 National Merit Scholarship Commended (Class of 2023)  
6 College Sponsored Merit Scholars (Class of 2023)  
1 National Merit Scholarship Scholar (Class of 2023)  
24 National Merit Scholarship Semifinalists (Class of 2023)  
2 U.S. Presidential Scholars Semifinalists (Class of 2023)  
12 U.S. Presidential Scholars Candidates (Class of 2023)  
1 Robertson Scholars (Class of 2023)  
133 Maryland Seal of Bilingualism (Class of 2023)

### 2023 AP Exams

263 AP Scholars with Distinction  
90 AP Scholars with Honor  
126 AP Scholars

Richard Montgomery High School has been recognized as a Blue-Ribbon School  
by both the State of Maryland and the U.S. Department of Education.

**Staff at Richard Montgomery High School** have won local and national recognition including: Montgomery County Washington Post Principal of the Year 2019-2020; MCPS Teacher of the Year (2017-2018); Marion Greenblatt Teacher Awards (2017, 2011, 1999); MCCPTA Principal of the Year (2016) and international recognition including: Fulbright exchanges to Japan (2006) and Ghana (2008). They have won selection as master examiners and Workshop Leaders for the International Baccalaureate Organization. In addition, numerous teachers have earned National Board Certification for Teachers, published books and in scholarly journals, served as Advanced Placement graders and on the MCPS Curriculum and Assessment team.

## Extracurricular Opportunities

Richard Montgomery High School is proud to offer students a rich and varied selection of clubs and societies.

**Activism:** Climate Club, Food Allergies Rock!, Health Care Access for All (HAFA), My Neuro-Corner, Ocean Conservation Club, Rare Diseases Club, Rocket Minds Matter, National Organization for Women, Campus Action Network (RM NOW CAN), Sexuality and Gender Alliance (SAGA), Save Our Soil (SOS), Sri Lankan Youth Organization, Students Against Antisemitism, Students Against Trafficking, Students Demand Action, Student Equity Committee (SEC), UNICEF

**Athletics:** RM Athletics Program involves nearly 400 student-athletes in football, soccer, tennis, field hockey, cross-country, golf, volleyball, cheerleading, and poms. Please visit [www.RocketAthletics.org](http://www.RocketAthletics.org) for team schedules, scores, rosters, news and events.

**Arts:** Calligraphy, Classical Arts and Humanities Club, Marching Band, National Art Honor Society, National Tri-M Music Honor Society, One Acts, Resonance, RM Art History Club, RM Dark Room, RM Karaoke Club, Short Film Club, South Asian Acapella Group (SAAG)

**Business:** Distributing Education Club of America (DECA), Future Business Leaders of America (FBLA), RM Investment Club, Young Investors Society

**Culture and Identity:** Asian American Club, Black Student Union (BSU), Chicas Charlando, Chinese Traditional Instrument Club, Chinese Honor Society, Ethiopian Eritrean Student Association (EESA), Fellowship of Christian Athletes (FCA), Jewish Student Union, Japanese Club, Muslim Student Association, Myth Club, National French Honor Society, National Spanish Honor Society, Southeast Asian Club, South Asian Student Association (SASA)

**Community Service:** Bakeaway Club, Blessing Care Kits, BranchOut! X RM, CAPSA Tutoring, Competing for Causes Club, Compostology, Families 4 Families, Generation Z Tutoring, Interact Club, Jars of Joje, Kicks Out of Kindness, RMHS Kits to Heart, Learn to Be, Paramount Learning, Paws for a Cause, Red Cross Club, Rocket Helpers, Swift Club

**Hobbies and Games:** Asian Board Game Club, Cardboard Community, Chess Club, Dungeons and Dragons Club, Equestrian Club, Gaming Club, Game Maker Club, Puzzle Hunt Club, Quizbowl/It's Academic

**Homework Club:** Homework Club meets every Thursday after school until 4:15 in the back of the Media Center. Tutors and snacks available. All are welcome.

**Language Arts:** Banned Books Club, Creative Writing Club, Diversity Book Club, Fine Lines, Forensics, For the Plot, Marooned, MoCo for Literacy, National English Honor Society, RM Book Club, The Fanfiction Café, The Tide

**Leadership:** Ladies With Character (LWC), Minority Scholars Program (MSP), National Honor Society (NHS), National Society of Black Engineers Jr. (NSBE), Rockets 4 Success, SGA, TEDx RM, The Jaguar Scholars Program (JSLP)

**Math and Logic:** Debate Team, Mathletes, Math Modeling Club, Math Team, National Math Honor Society

**Non-Varsity Sports and Fitness:** Badminton Club, Bollywood Dance Club, Cricket Club, Elite Spike Ball, Girls' Boxing, Gym and Nutrition Club, RM Gabbling Club, RM Outdoors Club, RM Rock Climbing, Table Tennis Club, Weightlifting Club

**Science and Technology:** 3D Printing Club, Active Medical Professionals (AMP), Biology Club, Chemistry Club, Doctors with Degrees, Engineering Club, Envirothon, Girls Who Code, Kids Are Scientists Too (KAST), Kid Coders, Machine Learning Club, MED Analytic Leaders (MEDAL), MedTech, Mycology Club, National Computer Science Honor Society, National Science Honor Society, National Society of Black Engineers, Nutri-Service Club, Physics Support Club, Quantum Club, RM Aviation Club, RM Emerging Diseases (RMED), Robotics, Science Olympiad, STEM Bound, Teach and Learn Code, Women in Stem (WISTEM)

**Social Studies:** Archaeology Club, Economics, Government, and Politics, Herstory, Model Congress, Model UN, National History Honor Society, Philosophy Club, Psychology Club

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## TEST DATA

MCPS administered the SAT to registered students in September, October, November, and December during national test administrations at selected school test centers. In April 2023, the SAT School Day was administered in all MPCPS high schools.

### SAT 2022-2023

(CEEB Code: 210910)

Evidence Based Reading and Writing: 621 Mathematics 615

Total: 1236

### ACT 2022-2023

School Composite Mean: 27.4 State Composite Mean: 24.4

### ADVANCED PLACEMENT EXAMS 2023

1,014 Students Tested 2,115 Exams Taken

Scores of 5: 708 (33%) Scores of 4: 587 (28%) Scores of 3: 469 (22%)

### INTERNATIONAL BACCALAUREATE EXAMS 2023

275 Juniors and Seniors Tested 792 Exams Taken

Scores of 7: 66 (8%) Scores of 6: 300 (38%) Scores of 5: 274 (35%) Scores of 4: 105 (13%)

### DISTANCE-LEARNING MODEL GRADING SYSTEM

In March 2020, during the COVID-19 pandemic, Montgomery County Public Schools (MCPS) shifted to a virtual learning model of instruction for the remainder of the school year. Students remained in a virtual learning model until March 2021, at which time students could elect between in-person instruction or 100% virtual. As a result, adjustments to [grading and reporting](#) and instructional models were also implemented. In 2020-2021, although MCPS returned to a more traditional grading system, there were some [adjustments](#) that provided expanded opportunities to reduce course load or take courses on a pass/fail basis.

### [Dual Enrollment Collegiate Options](#)

MCPS encourages students to participate in dual enrollment opportunities with local colleges and universities. All college courses are offered at a free or reduced tuition rate. Students may be awarded high school credit for the approved college courses successfully completed. If students choose this option, the college course grades appear on the high school transcript denoted by course titles starting with “CL ADV “ followed by the subject and the grade earned in the course. College courses on the high school transcript receive quality points toward their GPA.

### HS Course taken in MS

HS courses taken in MS will only count in the GPA if it helps improve the overall GPA. There is an automated process that runs twice a year (midyear and end of year) that will automatically exclude grades that bring the GPA down and include grades that improve the GPA. Information on this process is available in the IT Wire (attached) from last spring.

### DISTRIBUTION OF CUMULATIVE GPAs for the Richard Montgomery HS Class of 2023

The Montgomery County Public Schools Board of Education eliminated the policy of providing class rank for students beginning with the class of 1994. Although class rank is not listed on transcripts, the student’s weighted and unweighted GPAs are provided. Weighted GPAs are calculated by adding one quality point to an A, B, or C in Advanced Placement or Advanced Level Courses or to an A, B or C in Honors Courses.

<u>Range</u>	<u>Class GPA</u>	<u>Class Weighted GPA</u>
4.51 & above	0%	40%
4.01-4.50	0%	21%
3.51-4.00	59%	12%
3.01-3.50	18%	9%
2.51-3.00	10%	9%
2.01-2.50	9%	6%
1.51-2.00	4%	2%
1.01-1.50	1%	1%

## MARYLAND GRADUATION REQUIREMENTS

### 22 Credit Hours of Coursework Including the Following:

4 English, 3 Social Studies, 4\* Math (\*including Algebra and Geometry and must be enrolled in Math each year of HS), 3 Science, 1 Fine Art, 1 Technology Education, 1 Physical Education, 1 Health, 4.5 Electives including 2.0 credits in the same world language, 75 hours of Student Service. Students must complete high school assessments in English, Algebra, Biology, and Government. Students who earn 240 hours or more above the Student Service Learning requirement of 75 hours earn a Certificate of Meritorious Service from Montgomery County.

# The International Baccalaureate Magnet Diploma Program at Richard Montgomery High School

The International Baccalaureate Programme at Richard Montgomery High School, established in 1987, is a Whole School IB Programme. All 9<sup>th</sup> and 10<sup>th</sup> grade students participate in the Middle Years Programme. Students in the Magnet Program were selected through a competitive, countywide student selection process.

## STUDENT SELECTION

The IB Magnet Diploma Program at Richard Montgomery High School is a four-year International Baccalaureate continuum program which blends an intensive two-year IB Middle Years preparatory program (grades 9 and 10) with the rigorous international standards of the full Diploma Program (grades 11 and 12). As the IB Magnet Program at Richard Montgomery is a countywide program, entrance is competitive. The IB at Richard Montgomery attracts many of the best students from Montgomery County, Maryland, a community of over a million outside of Washington, DC, with one of the finest public-school systems in the nation. Academically exceptional and motivated students are offered entry to the program after a highly selective process that evaluates standardized admission test scores, a writing assessment, and academic grades. Approximately 1,000 students apply annually for admission; the average freshman class is 125 students.

## EXPECTATIONS AND STUDENT SUCCESS

As a result of the selection process, classroom expectations and exam performance are substantially higher than that of comparable programs worldwide. For the May 2023 testing season, IB scores at Richard Montgomery exceeded worldwide averages in 23 subjects.

Individual performance records, e.g. high school transcripts, should be considered in light of the extraordinary nature of the program and its students, who continue as academic community standouts in college. IB students also take advantage of the many AP classes offered at the high school and sit for both AP and IB examinations. IB Magnet students make up approximately 25% of the school population. Richard Montgomery Magnet and IB courses are advanced level classes and are designated "RMS." on student transcripts.

- Richard Montgomery High School's IB Diploma Program continues to rank among the most successful in the world. Student performance on the IB exams reflects the high classroom expectations. 94% of Richard Montgomery's 126 IB candidates in 2023 earned the IB Diploma; (79% worldwide.); RM Diploma Mean Grade 5.34 (4.84 worldwide); RM Diploma Mean Points 34 (30.24 worldwide).

- Student performance on the Advanced Placement exams reflects the high classroom expectations. 802 Advanced Placement Exams Taken Before the Senior Year by IB Students in the Class of 2023  
Score Summary: 5 = 48% 4 = 30% 3 = 15%

- The Mean SAT scores for the Class of 2023

Evidence Based Reading and Writing: 621      Mathematics 615      Total - 1236

- National Merit Scholarship Competition Finalists - Class of 2023 - 24
- National Merit Scholarship Competition; Semifinalists - Class of 2023- 24
- National Merit Scholarship Competition; Commended Students - Class of 2023- 72
- 2023 Presidential Scholar Semifinalist – 2
- 2023 Presidential Scholar Candidates – 12



## IB Magnet Course of Study at Richard Montgomery High School

### THE MIDDLE YEARS PROGRAM (MYP):

Students in the MYP Program engage in a rigorous course of study in six or more subject areas. In grade 10, students undertake a long-term, independent research project called a Personal Project. The Personal Project provides students with the opportunity to put into practice the skills and knowledge developed over the course of the program under the guidance of a staff supervisor.

### THE FRESHMAN YEAR:

All 9th grade magnet program students are enrolled in an academic program which includes the International Baccalaureate MYP instructional model. These courses are taught at the advanced level: English 9; French, Spanish, or Chinese levels 2 or 3 or 4; AP Government; Biology or Chemistry; Geometry, Analysis and Applications of Functions (AAF), or IB Pre-Calculus. The accelerated speed of these courses allows time for in-depth analysis and sophisticated content more commonly associated with grade 11 and grade 12 high school honors and advanced placement courses. Comprehensive program courses with similar titles at Richard Montgomery do not offer the same content.

### THE SOPHOMORE YEAR:

All 10th grade magnet program students continue the IB Diploma preparation. Courses include: English 10; French, Spanish, or Chinese levels 3, 4 or 5; AP U.S. History; Chemistry or AP Physics; AAF, IB Pre-Calculus, AP Calculus AB or BC. Prerequisites for IB electives begin in 10th grade. Again, comprehensive program courses with similar titles at Richard Montgomery do not offer the same content. Students in year 5 of a world language and advanced mathematics sit for the AP equivalent exams.

### THE DIPLOMA PROGRAM (DP):

All students complete an Extended Essay (EE), Theory of Knowledge (TOK), and Creativity, Activity and Service (CAS). This program core is above and beyond the academic requirements and is the signature experience of the IB Diploma model. Diploma candidates complete the EE research essay of 4,000 words in one of the subjects of the IB curriculum. The TOK course is an interdisciplinary course that leads students to reflect on the basis of knowledge and experience. Finally, all students participate in and reflect upon CAS experiential learning experiences.

### THE JUNIOR YEAR:

In 11th grade, students begin preparing for their six IB subject exams, two of which may be taken in their junior year. Students show strengths in college-level exams in five required disciplines (English, World Language, Social Studies, Science and Math) and one elective discipline (a second world language, a second science, second social science or Computer Science, Film, Theater or Visual Arts). Unlike signature and magnet programs that allow specialization in one or two disciplines, IB expects students to demonstrate cross-curricular strength, which creates an intensely rigorous program for all students. All students must complete at least level 5 of French, Spanish, or Chinese to be able to test in world language. The highest-level world language is 7 and requires a bilingual fluency test.

### THE SENIOR YEAR:

In the senior year, IB diploma candidates have demonstrated commendable motivation, determination, and academic achievement. Students complete Higher Level coursework in three or four disciplines and complete coursework leading to additional Standard Level exams. Higher Level offerings include English, Chinese, French, Spanish, History, Biology, Chemistry, Physics, Mathematics, Film, Theatre and Visual Arts. Standard Level course offerings include Chinese, History, Economics, Social Anthropology, Sports, Exercise, & Health Science, Philosophy, Global Politics, Biology, Chemistry, Physics, Environmental Systems, Mathematics, Computer Science, Film, Theater and Visual Arts. Student coursework is assessed throughout the two-year program, with final examinations in May.