



MONTICELLO HIGH SCHOOL

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2018-2019 School Profile

PRINCIPAL:

Mr. Ricky Eric Vrhovac

ASSOCIATE PRINCIPAL:

Mr. Reed Gillespie

ASSISTANT PRINCIPALS:

Mr. Henry Atkins

Mrs. Melissa Hankins

SCHOOL COUNSELING DIRECTOR:

Mr. Irvin Johnson (AVID)

SCHOOL COUNSELORS:

Ms. Najwa Tatby (A-C)

Mr. Paul Jones (D-Hod)

Mrs. Laura Gaskins (Hoe-Mel)

Mr. Adam Southall (Mem-Sea)

Ms. Nikki Eubanks (Seb-Z)

Ms. Shamika Terrell (Career Specialist)

SCHOOL COUNSELING Associate:

Ms. Connie Jenkins

Database Administrator/Registrar:

Mr. Corey Hunt

CEEB CODE: 470-439

www.k12albemarle.org/monticello

OUR SCHOOL AND COMMUNITY

Monticello High School (MoHS) is one of three comprehensive public high schools in Albemarle County. Named for Thomas Jefferson's historical mountainside estate, "Monticello" means "little mountain" in Old Italian. Monticello High School is located two hours south of Washington, D.C. and one hour west of Richmond, VA. Monticello High has an enrollment of approximately 1150 students, servicing grades 9-12. Monticello operates on a modified block schedule. Classes are offered either yearlong, meeting every other day or for one semester, meeting every day.

CURRICULUM

Monticello High offers a comprehensive curriculum that stresses academics, but includes ample opportunity for students to study the fine arts as well as vocational courses at the local CATEC School. Our programs with University of Virginia and Piedmont Virginia Community College allow students to enroll in college courses for dual credit. In addition, extracurricular opportunities through groups like the Key Club, Robotics Team, and Habitat for Humanity Club, as well as all of the honors societies, give students a chance to get involved in the school and the community.



Advancement Via Individual Determination is a college readiness system for elementary through higher education that is designed to increase school wide learning and performance. The AVID College Readiness System (ACRS) accelerates student learning, uses research based methods of effective instruction, provides meaningful and motivational professional learning, and acts as a catalyst for systemic reform and change." - AVID.org



The **Charlottesville Albemarle Technical Education Center** is a regional technical education center serving students in central Virginia. They are jointly operated by Albemarle County Public Schools and Charlottesville City Public Schools. High school students can study Pharmacy Technician, Dental Careers, Music Industry, Auto Body, Auto Technology, Cosmetology, Culinary Arts, Building Trades, EMT, Firefighting, Computer Network Hardware, Veterinary Science, Electrical and Nurse Assistant. CATEC classes are taught during the regular school day.

HONORS CLASSES: English 9,10,11; World History II, World Geography, Geometry, Algebra II, Trigonometry/Math Analysis, Math Analysis/Pre-Calculus, Earth Science, Biology, Chemistry, Animal Studies, Anatomy/Physiology, French IV, Spanish IV, German IV, Latin III, and Latin IV.



Albemarle Tech, The Center for Creativity and Invention, is a learning center designed to allow students to explore the passions and interests that closely match their individual career goals. While continuing to attend their home school, working in this multi-faceted center enables students to embrace life-long learning in a student-driven environment. Grounded in a maker education learning environment, students access cutting-edge technology, virtual reality, and real world internships to imagine, design, collaborate, and complete projects both within the school community as well as with community partners.



ADVANCED PLACEMENT CLASSES: English Language, English Literature, US History, US Government, European History, World History, Human Geography, French, Spanish, Latin, German, Psychology, Statistics, Calculus AB/BC, Biology, Chemistry, Physics 1, Physics C, Environmental Science, and Microeconomics.



DUAL ENROLLMENT CLASSES: English 111/112, US History 121/122, US Government 211/212, Psychology 200/230, Pre-Calc/Applied Calc 163/271*, Principles of Management 200, Culinary Arts*, and Architectural Drafting 121*.

*These courses are not offered every school year.

Honors, HMSA, AP, and PVCC courses move at a faster pace and go beyond the curriculum of the advanced level courses. Honors, HMSA, AP, and PVCC courses place major responsibility for student progress on the student. Students are expected to engage in self-instruction, independent work, readings, projects, and research. Courses where AP and PVCC are both offered (US/VA History, US/VA Government, English 12, and Psychology), we consider AP to be the highest options offered.

2019 GRADUATION REQUIREMENTS

Standard Diploma	
English	4 credits
Mathematics	3 credits
Science	3 credits
Health/PE	2 credits
World History	1 credit
US/VA History	1 credit
Government	1 credit
Fine Art/CTE	1 credit
Electives	6 credits
Total	22 credits
Verified Credits	6 credits

Advanced Diploma	
English	4 credits
Mathematics	4 credits
Science	4 credits
Health/PE	2 credits
World History	2 credits
US/VA History	1 credit
Government	1 credit
Fine Art/CTE	1 credit
World Language**	3-4 credits
Electives	2 credits
Total	26 credits
Verified Credits	9 credits

Grading Scale

A = 90-100
B = 80-89
C = 70-79
D = 60-69
F = 0-59

Grade Distribution 2018-2019

Grade 12 : 278
Grade 11 : 286
Grade 10 : 273
Grade 09 : 298

**(3 years of 1 or 2 years each of 2)

GPA

Albemarle County determines GPA by dividing the total grade points received by the total number of credits attempted in earning the points. The points are 4 for an A, 3 for a B, 2 for a C, 1 for a D, and 0 for an F. The highest unweighted GPA is 4.0. Students receiving a "pass" in a course designated as pass/fail are credited with completion of the course, but the grade from such a course is not included in the calculation of the GPA. Students receiving a "fail" in a pass/fail course receive a grade point of zero, which is included in the calculation of the GPA.

GRADES	Honors, Dual, AP	Standard, Adv, A/A
A	5	4
B	4	3
C	3	2
D	2	1
F	0	0

COLLEGE ENTRANCE EXAM SCORES

SAT Results (2018)	Critical Reading/Writing	Math
Monticello High	578	555
Virginia	560	541
National	538	533

AP STATISTICS (2018)

582 AP tests were taken
66% of scores 3 or higher
36% of scores level 4 or 5

NATIONAL MERIT COMPETITION

2017	2018
Commended : 1	Commended : 6
Semifinalists : 1	Semifinalists : 2

2018 STATISTICS AND GRADUATES' FUTURE PLANS

Graduate Plans
49% Four-Year Colleges and Universities
25% Two-Year Colleges and Vocational Schools
26% Military, Workforce, and Other

Student Demographics		
Male 48.06%	Female 51.93%	
White 64.70%	Black 12.14%	Hispanic 14.61%
Limited English Proficiency 6.8%	Disadvantaged 33.8%	
Students with disabilities 17.3%	Gifted 15.3%	

2018 MONTICELLO GRADUATES WERE ACCEPTED TO THE FOLLOWING INSTITUTIONS

Arizona State University	Elon University	Mary Baldwin College	Spelman College	University of Miami
Boston College	Emory & Henry	Marymount University	The Ohio State University	University of Michigan
Boston University	Florida State University	Miami University	Tulane University	University of Mississippi
Bridgewater College	Fordham University	Michigan State University	University of Alabama	UNC, Chapel Hill
Christopher Newport	George Mason University	Missouri State University	University of California, Berkeley	University of Richmond
Clemson University	Georgetown University	Norfolk State University	University of California, LA	University of South Carolina
College of William and Mary	Georgia Tech	North Carolina A & T University	University of California: SD	University of Texas
Columbia University	Glenville State	North Carolina Central	University of Chicago	University of Tennessee
Costal Carolina University	Hampden-Sydney College	North Carolina State University	University of Cincinnati	University of Virginia
College of Charleston	Hampton University	Old Dominion University	University of Colorado, Boulder	Virginia Tech
Dickenson University	Indiana University	Ole Miss University	University of Connecticut	Virginia Commonwealth
Drexel University	James Madison University	Penn State University	University of Delaware	Virginia State University
Duke University	Liberty University	Radford University	University of Florida	Virginia Union University
East Carolina University	Longwood University	Randolph College	University of Georgia	Wake Forest University
Eastern Mennonite	Lynchburg College	Randolph Macon College	University of Kentucky	West Virginia University
Elizabeth City State University	Marshall University	Roanoke College	University of Mary Washington	Wingate University



Health and Medical Sciences Academy

1400 Independence Way, Charlottesville, VA 22901

HMSA Phone: (434)244-3100 ext. 61127

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Email: kdudley@k12albemarle.org

2018-19 Academy Profile

PRINCIPAL:

Mr. Rick Vrhovac

DIRECTOR:

Mrs. Katina Dudley

STAFF:

Jeremy Dove

Geoff Parks

Kelly Lawrence

Corinne Lindemann

ADVISORY BOARD:

Dr. Randy Canterbury

Tim Garson

Phillip Roberts

Tom Thorpe

Lee Catlin

Ann Craddock

Dr. Fred Diehl

Dr. John Donnelly

Dr. Nikki Hastings

Dr. Lianne Landers

Dr. Richard Lindsay

Jackie Martin

Dr. Tom Wolanski

Dr. JC Wolfe

Sue Woodson

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MISSION

The Monticello High School Health and Medical Sciences Academy's mission is to empower students to utilize 21st century skills while exploring health science career opportunities. The program provides students with a foundation for post-secondary education and workforce readiness in certified health related professions. Students will explore core content with technology through integrated projects, case studies, and focused learning experiences.

CURRICULUM

The goals of HMSA include exciting students about health and medical science as a profession, increasing student exposure to a broad range of career opportunities in health and medical sciences, exploring Anatomy and Physiology in order to prepare students for the rigors of collegiate A&P course, and providing opportunities for preparation and practice via clinical rotations and internships.

Students enrolled in the Academy will engage in lessons and activities that will provide opportunities for students to demonstrate workplace readiness skills. During their first year, students are enrolled in an integrated curriculum covering topics in Biology, Health and Medical Sciences, and Health. This integrated curriculum was designed by teachers and feedback was provided by local Health Professionals, Professors, and Research Scientists in order to ensure that students would gain the skills necessary for current practice. Second year students enroll in Anatomy and Physiology and Chemistry. These courses are taught separately with a couple of integrated units. During a student's junior and senior year, students no longer come together as a cohort. Students are encouraged to enroll in rigorous coursework designed to prepare them for post-high school education. In addition to their coursework students must enroll in an internship or research project prior to graduation.

FUNDING: Funding to support the start-up of the HMSA, ongoing lab experiences, and equipment has been provided by Martha Jefferson Hospital, the University of Virginia, the Batelle Foundation, the Freas Foundation, and the Virginia Department of Education.

INTERNSHIPS: Students have engaged in internships at The University of Virginia and Martha Jefferson Hospitals in various clinics, including surgery, private clinics, several veterinary clinics and hospitals, and research and clinical research labs located in Charlottesville. Students shadow and participate in age/skill appropriate tasks. Through these experiences, students gain exposure and skills that will provide them with knowledge to better understand careers available that they might find of interest.

RESEARCH: Several students have participated in research. They have been able to work alongside professors and graduate students to investigate methods, use various types of equipment and gain skills that are not available in a high school setting. Example include: PCR, PCR Purification, Restriction Enzyme Digestion, Plasmid Ligation, Plasmid Extraction and Purification, Gel Electrophoresis, Gel Extraction, Electroporation, Heat Shock, Serial Dilution, Preparation of antibiotic-enriched plates, Colony antibiotic sensitivity screening, and Primer Design.

Students apply to the Health and Medical Sciences Academy. All applications are reviewed by a selection committee. The application process is defined on our website: <http://bit.ly/HMSAsite>