ELIGIBILITY
Students are selected through an application process, which is open to any current eighth-grade student citywide with a strong interest in and aptitude for the medical and health sciences. The Academy enrolls 100 freshman at the start of each school year. Applications are also accepted for any openings in the sophomore class.

ADMISSIONS POLICY
Students will be selected on the basis of an interest inventory, achievement testing data, essay (showing strong interest), positive teacher recommendations, parent recommendation, good attendance, and academic performance.

TRANSPORTATION
Transportation to the Academy at Bayside High School will be provided by the school division for all students enrolled in the Health Sciences Academy. After school activity and athletic buses are also provided.

APPLICATIONS
Applications are available starting in the Fall of the students’ eighth grade year. Check VBSchools.com for dates and deadlines.

SELECT COMMITTEE
A selection committee of school administrators, teachers, and other professionals will review the application packages of all candidates. In making their selections, committee members will consider all criteria: test scores, essay, positive teacher and parent recommendations, good attendance and academic performance. Students will be ranked and the top scorers will be recommended for admission to the Health Sciences Academy at Bayside High School. The Health Sciences Academy will maintain a waiting list of students in the event that a student who is offered a position chooses not to accept.

Mission Statement
To support community health care needs, the Bayside High School Health Sciences Academy, in cooperation with local medical professionals and educational institutions, will prepare students for health care careers by providing specialized educational opportunities.

Dr. Aaron Spence, Superintendent

Notice of Non-Discrimination Policy
Virginia Beach City Public Schools does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation/gender identity, pregnancy, childbirth or related medical condition, disability, marital status, age, genetic information or veteran status in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. School Board policies and regulations (including, but not limited to, Policies 2-33, 4-4, 4-6, 4-43, 5-7, 5-19, 5-20, 5-44, 6-7, 7-48, 7-49, 7-57 and Regulations 4-4.1, 4-4.2, 4-6.1, 4-43.1, 5-44.1, 7-11.1, 7-17.1 and 7-57.1) provide equal access to courses, programs, counseling services, physical education and athletic, vocational education, instructional materials and extracurricular activities.

To seek resolution of grievances resulting from alleged discrimination or to report violations of these policies, please contact the Title VI/Title IX Coordinator/ Director of Student Leadership at (757) 263-2020, 1413 Laskin Road, Virginia Beach, Virginia, 23451 (for student complaints) or the Section 504/ADA Coordinator/Chief Human Resources Officer at (757) 263-1133, 2512 George Mason Drive, Municipal Center, Building 6, Virginia Beach, Virginia, 23456 (for employees or other citizens). Concerns about the application of Section 504 of the Rehabilitation Act should be addressed to the Section 504 Coordinator/Director of Guidance Services and Student Records at (757) 263-1980, 2512 George Mason Drive, Virginia Beach, Virginia, 23456 or the Section 504 Coordinator at the student’s school. For students who are eligible or suspected of being eligible for special education or related services under IDEA, please contact the Office of Programs for Exceptional Children at (757) 263-2400, Laskin Road Annex, Virginia Beach, Virginia, 23451.

Alternative formats of this publication which may include taped, Braille, or large print materials are available upon request for individuals with disabilities. Call or write Bayside High School, Health Sciences Academy, 4960 Haygood Road, Virginia Beach, VA 23455, 757.648.5200, Fax 757.473.5123, TDD 757.263.1240, or email Terry.Mejia@VBSchools.com

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PROGRAM OF STUDY

The Health Sciences Academy is an innovative program completely immersed in the medical sciences. This unique program offers students a myriad of opportunities to choose the curriculum that suits their interests and needs. All students receive a strong college preparatory education as they work towards an advanced studies diploma.

Students will gain a perceptive understanding of anatomy, physiology and pathophysiology with a combination of didactic college level lectures and lab activities. Depending on whether the student wants to pursue a degree in medicine, veterinary medicine, dentistry, pharmacy, physical therapy, nursing, or other various allied health professions, students will be able to select additional medical elective courses of interest.

The Health Sciences Academy offers students opportunities for college credit through 18 Advanced Placement (AP) courses and two Dual Enrollment courses. AP courses begin in the 9th grade for Health Sciences Academy students. We also offer six additional weighted credit courses.

An invaluable resource to our program is the many educational and professional partnerships we have, including Eastern Virginia Medical School, Sentara Hospitals, St. George’s Medical School in Grenada, Duke University, Harvard University, Operation Smile, St. Jude’s Research Hospital, Children’s Hospital of the Kings Daughter, Virginia Wesleyan College, and MANY health care providers in the Hampton Roads area. Throughout the four years, students will be exposed to numerous medical professionals including the opportunity to engage in clinical shadowing experiences in all areas of medicine and the health sciences. Unique to the Health Sciences Academy is the opportunity for conditional admissions to St. George’s University: Medical and Veterinary Schools.

Commitment to community service is an important aspect of the Health Sciences Academy. Participation in community service increases self-esteem, promotes civic responsibility, strengthens the community, brings people together, and provides valuable learning opportunities. Students in the Health Sciences Academy are required to complete a minimum of 150 hours of community service over their four years in the academy. At least 75 of these hours must be medically related.

The Health Sciences Academy operates on the belief that students learn best by being actively engaged. Through advanced curricula, community partnerships, and committed faculty, the Health Sciences Academy will facilitate student awareness of medical related professions while providing individual skills and knowledge necessary to empower students to be lifelong learners.

Visit the HSA website at www.baysidehs.vbschools.com

CURRICULUM

GRADE 9

Academy Honors English 9
Geometry or Algebra II/Trigonometry
AP Human Geography*
Academy Biology
Health Occupations
Modern Foreign Language or Latin
Health and Physical Education

GRADE 10

Academy Honors English 10
Academy Algebra II/Trigonometry or Math Analysis
AP European History*
Academy Chemistry
Human Anatomy*
Modern Foreign Language or Latin
Health and Physical Education
Economics / Personal Finance

GRADE 11

Honors English 11 or AP English Language*
Math Analysis or AP Calculus AB* or BC*
U.S. History or AP U.S. History*
AP Biology*, AP Chemistry*, AP Physics*, or HSA Physics
Physiology and Pathophysiology I*
Medical Science Elective
AP Foreign Language* or Latin
Fine or Practical Arts (2 semesters)

GRADE 12

Dual Enrollment English or AP English Literature*
AP Calculus AB* or BC*, AP Statistics*, or Medical & Biological Applications in Adv. Mathematics* (post calculus)
VA/U.S. Government or AP Government*
AP Biology*, AP Chemistry*, AP Physics*, or HSA Physics
Physiology and Pathophysiology II*
Medical Science Elective

Medical Science Electives

Hereditary Medicine*
Medical Microbiology*
Med. & Bio Adv. Calc *
AP Psychology*
Comparative Anatomy
Medicinal Chemistry
Forensic Medicine I & II
Medical Research & Writing
Dual Enrollment EMT (with Certification)
Anatomical Architecture
Medical Illustration
Anatomy & Sports Injury

Pre-Med and Pre-Vet Strand:
For students intending on pursuing a college program in pre-med, pre-vet, pre-dental, health sciences (public health), medical research, pre-pharmacy:
Highly Recommend: AP Biology
Highly Recommend: Physics or AP Physics
Highly Recommend: AP Chemistry (especially for pre-pharmacy)
Highly Recommend: Scientific Research and Writing
Recommend: AP Psychology
Highly Recommend for pre-med, pre-dental: Medical Microbiology, Hereditary Medicine, Medicinal Chemistry (especially for pharmacy)
Highly Recommend for pre-Vet: Medical Microbiology, Comparative Anatomy

Optional Pre-Med & Pre-Vet Strand: Dual-Enrollment EMT (for clinical experience), Anatomy and Sports Injury (special interest in orthopedics, sports medicine)

Nursing Strand:
For students intending on pursuing a college program in Nursing:
Highly Recommend: AP Biology
Highly Recommend: Physics or AP Physics
Highly Recommend: Medical Microbiology, Medicinal Chemistry
Recommend: AP Chemistry
Recommend: Forensic Medicine I and II
Recommend: AP Psychology

Allied Health Strand:
For students intending on pursuing a college program in the allied health fields (Basic Health Sciences, PT, OT, Medical Technology, Nuclear Medicine, Speech Pathology, Athletic Training, Exercise Science, etc.):
Highly Recommend: AP Biology
Highly Recommend: Physics or AP Physics
Highly Recommend: Medical Microbiology, Medicinal Chemistry
Recommend: AP Chemistry
Highly Recommend: Forensic Medicine I and II (for Med Tech and lab oriented career paths)
Highly recommend: Anatomy and Sports Injury (for Athletic Training, Exercise Science, PT, and OT or special interest in orthopedics)

* Weighted Credit