

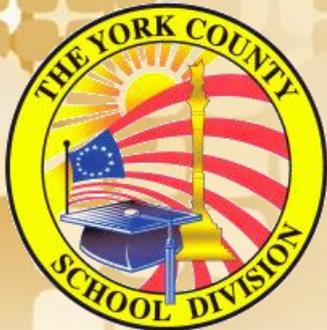
GOVERNOR'S  
Health Sciences  
*Academy*

Newport News Public Schools

&

York County Public Schools

Partnership



# SCHOOL PARTNERS

Newport News Public  
Schools

**Warwick High School**



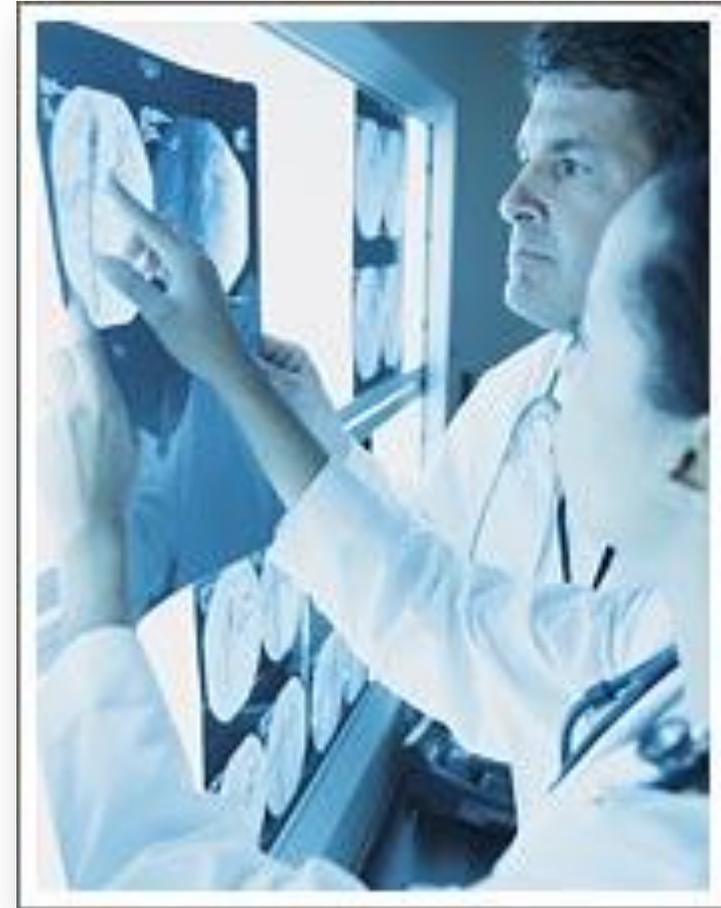
York County Public Schools

**Bruton High School**



# MISSION

A program that combines academic coursework and clinical experiences in a challenging and collaborative school environment to prepare students for careers in the Health Sciences



- Address impending work force needs that have been identified by the Commonwealth of Virginia
  - Expected to be nearly 6,800 new health care positions on the Greater Peninsula
  - Approximately 10,000 health care occupation opportunities
- Provide additional programs that “create a bridge to career pathways in upper-level positions” in the Health Sciences Career Cluster

# National Employment Trends

	Healthcare Professional and Technical Occupations	Total Workers	Percentage
2005	6,877,443	144,200,000	4.8%
2006	7,031,830	146,700,000	4.8%
2007	7,190,943	148,000,000	4.9%
2008	7,352,445	147,100,000	5.0%
2009	7,302,684	142,700,000	5.1%
2010	7,356,965	142,300,000	5.2%
2011	7,570,269	145,100,000	5.2%
2012	7,801,689	148,300,000	5.3%
2013	8,030,230	151,600,000	5.3%
2014	8,267,083	155,300,000	5.3%
2015	8,475,364	158,000,000	5.4%
2016	8,596,672	159,200,000	5.4%
2017	8,703,162	160,300,000	5.4%
2018	8,813,149	161,500,000	5.5%

- Improve the knowledge and skills students will need to succeed in Health Sciences careers by:
  - applying the principles of mathematics and science to solve real-world problems in the health career field
  - learning how to work in teams
  - communicating effectively
- Produce quality workers to support the recruitment needs of the health industry
- Attract students to postsecondary opportunities in the Health Sciences Career Cluster

# ACADEMY GOALS

- Improve academic achievement by increasing rigor and relevance within the five pathways
- Increase completion of dual enrollment classes
- Provide workplace readiness experiences through strong partnerships with businesses
- Increase high school graduation rates
- Reduce dropout rates
- Increase enrollment and retention in postsecondary education

# ACADEMY GOALS

- Increase the proportion of students completing a college and career curriculum in high school
- Reduce the proportion of students requiring remediation in college
- Increase the number of students earning industry certifications by 10 percent over the next four years
- Increase the number of academy graduates employed in high-wage, high-demand, and high-skill careers

# STUDENT OUTCOMES

- CTE follow-up survey data
- Student SOL scores and grades
- Postsecondary credits earned
- Number of industry certifications earned
- Internship and job shadowing student placements
- Division graduation index reports
- Dropout rate

# Health Sciences Career Cluster

**Therapeutic  
Services**

**Support  
Services**

**Diagnostic  
Services**

**Health  
Informatics**

**Biotechnology  
Research &  
Development**

# Support Services Career Pathway

<b>Courses</b>	<b>Industry Certifications</b>	<b>Potential Careers</b>
<p>Exploratory Health and Medical Sciences (8370)</p> <p>Introduction to Health and Medical Sciences (8302)</p> <p>Medical Terminology (8383)</p> <p>Computer Information Systems (6612)</p> <p>Leadership Development (9097)</p>	<p>Certified Clinical Medical Assistant Examination</p> <p>Certified Nursing Aide</p> <p>Virginia Workplace Readiness Skills Assessment</p>	<p>Biomedical/Clinical Technician</p> <p>Central Service Manager</p> <p>Facilities Manager</p> <p>Materials Manager</p> <p>Ward Secretary</p> <p>Environmental Services Manager</p>

# Therapeutic Services Career Pathway

<b>Courses</b>	<b>Industry Certifications</b>	<b>Potential Careers</b>
<p>Exploratory Health and Medical Sciences (8370)</p> <p>Introduction to Health and Medical Sciences (8302)</p> <p>Medical Terminology (8383)</p> <p>Medical Assistant I (8345)</p> <p>Medical Assistant II (8346)</p> <p>Practical Nursing I &amp; II (8357/8358)</p> <p>Practical Nursing III (8359)</p>	<p>Certified Clinical Medical Assistant Examination</p> <p>Certified Nursing Aide</p> <p>Virginia Workplace Readiness Skills Assessment</p>	<p>Anesthesiologist Asst.</p> <p>Athletic Trainer</p> <p>Certified Nursing Asst.</p> <p>Clinical Medical Asst.</p> <p>EMT/Paramedic</p> <p>LPN/RN</p> <p>Medical Assistant</p> <p>Nurse Practitioner</p> <p>Physical Therapist/Assistant</p> <p>Physician (MD/DO)</p>

# Diagnostic Services Career Pathway

Courses	Industry Certifications	Potential Careers
<p>Exploratory Health and Medical Sciences (8370)</p> <p>Introduction to Health and Medical Sciences (8302)</p> <p>Medical Terminology (8383)</p> <p>Nursing Assistant (8360)</p> <p>Nursing Assistant (8362)</p>	<p>Certified Clinical Medical Assistant Examination</p> <p>Certified Nursing Aide Virginia Workplace Readiness Skills Assessment</p>	<p>Lab Technician</p> <p>Process Technician</p> <p>Data Entry Clerk</p> <p>Quality Assurance Technician</p> <p>Quality Control Technician</p> <p>Biochemist</p> <p>Microbiologist</p> <p>Research Assistant/Scientist</p>

# Health Informatics Career Pathway

<b>Courses</b>	<b>Industry Certifications</b>	<b>Potential Careers</b>
<p>Exploratory Health and Medical Sciences (8370)</p> <p>Introduction to Health and Medical Sciences (8302)</p> <p>Medical Terminology (8383)</p> <p>Medical Assistant I (8345)</p> <p>Medical Assistant II (8346)</p> <p>Computer Information Systems (6612)</p> <p>Leadership Development (9097)</p>	<p>Medical Assistant Assessment</p> <p>NRCMA Certification</p> <p>Virginia Workplace Readiness Skills Assessment</p>	<p>Admitting Clerk</p> <p>Health Educator</p> <p>Health Care Administrator</p> <p>Medical Assistant</p> <p>Medical Biller/Patient Risk Management</p> <p>Medical Information Technologist</p>

# Biotechnology Research & Development Career Pathway

<b>Courses</b>	<b>Industry Certifications</b>	<b>Potential Careers</b>
<p>Exploratory Health and Medical Sciences (8370)</p> <p>Introduction to Health and Medical Sciences (8302)</p> <p>Medical Terminology (8383)</p> <p>Biotechnology Foundations (9050)</p> <p>Biomedical Technician (8347)</p> <p>Pharmacy Technician I &amp; II (8305/8306)</p>	<p>Virginia Workplace Readiness Skills Assessment</p>	<p>Laboratory Technician</p> <p>Quality Assurance/Control Technician</p> <p>Laboratory Assistant</p> <p>Nuclear Medicine Technologist</p> <p>Cell Biologist</p> <p>Research Assistant</p> <p>Research Scientist</p> <p>Biochemist</p>

# Wages of Workers by Occupation and Education

Health Sciences Occupation	HS Graduate	Associate Degree	Bachelors Degree	Graduate Degree
Pharmacists			\$80,839	\$98,008
Physicians and surgeons				\$187,123
Physician assistants			\$56,634	\$78,245
Registered nurses		\$50,100	\$54,566	\$65,531
Occupational therapists			\$48,800	\$53,586
Physical therapists			\$68,160	\$54,808
Respiratory therapists		\$52,663	\$56,368	
Diagnostic related technologists and technicians		\$49,395	\$46,746	
Emergency medical technicians and paramedics	\$44,326	\$37,539	\$39,919	
Licensed practical and licensed vocational nurses	\$31,585	\$38,184	\$40,523	
Medical records and health information technicians	\$25,424	\$23,207		

# DUAL ENROLLMENT OPPORTUNITIES

## COLLEGE CREDIT NOW!

### **Governor's Health Sciences Academy Courses Eligible for Dual Enrollment Credit**

Computer Information Systems

Medical Terminology (pending)

AP Physics

AP Environmental Science

AP English

AP World History

AP US Government

AP Calculus



# Recruitment

- Middle School Visitations
- Open Houses and Orientations
- Videos
- Flyers and Brochures
- Social Media
- Student and Parent Nights
- Career Fairs
- Mentorship Programs
- Summer Camps

# ADMISSIONS & AGREEMENTS

- Complete a Governor's Health Sciences Academy Application
- Complete an advanced mathematics course beyond Algebra II
- Complete an advanced science course beyond Chemistry
- Maintain a minimum of a 2.7 grade point average
- Take a mathematics and science course each year in high school
- Complete a Health Sciences work-based internship (minimum of 15 hours)
- Complete courses within a specific pathway in the Health Sciences Career Cluster
- Earn an industry certification and at least nine transferrable college credits
- Complete 200 hours of school/community service (50 hours per school year)

# Administrative Procedures

## Staff

- VA Teacher Licensure/Postsecondary Qualifications
- Applicable industry certifications
- Participate in Health-related staff development to include summer institutes and conferences

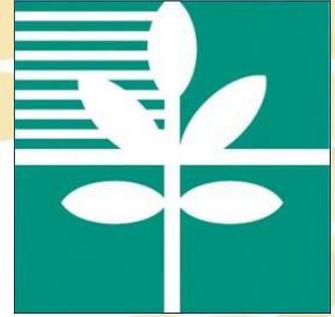
## Student Transportation

- Provided for all students who are Newport News or York County residents accepted into the Academy

## Fiscal Agent/Budget

- Newport News Public Schools will serve as the fiscal agent

# Work-Based Learning Experiences

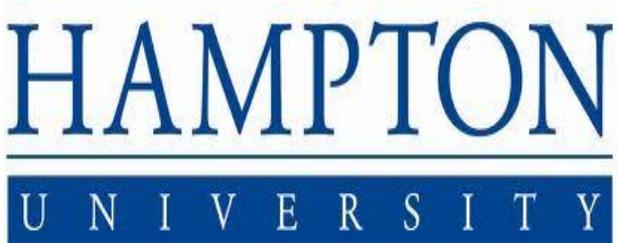
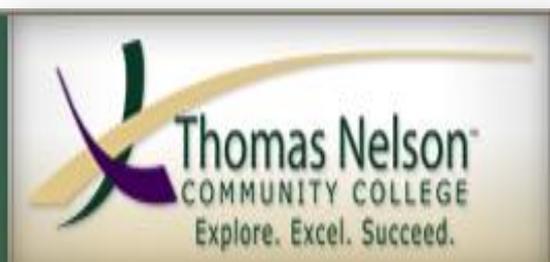


HOSA Students



GOVERNOR'S  
Health Sciences  
*Academy*

# HEALTH SCIENCES ACADEMY PARTNERS





NEWPORT NEWS  PUBLIC SCHOOLS



GOVERNOR'S  
**Health Sciences**  
*Academy*