

Virginia Board of Education Agenda Item



Agenda Item: E

Date: April 25, 2013

Title	Final Review of Proposals to Establish the following Governor’s Health Sciences Academies: Hampton City Public Schools; and Newport News Public Schools and York County Public Schools		
Presenter	Ms. Lolita B. Hall, Director, Office of Career and Technical Education Services		
E-mail	lb.hall@doe.virginia.gov	Phone	(804) 225-2051

Purpose of Presentation:

Other initiative or requirement. Specify below:

Final review of the Proposals to Establish the Hampton City Public Schools Governor’s Health Sciences Academy; and to Establish the Newport News Public Schools and York County Public Schools Governor’s Health Sciences Academy.

Previous Review or Action:

Previous review and action. Specify date and action taken below:

Date: March 28, 2013

Action: First Review

Action Requested:

Final review: Action requested at this meeting.

Alignment with Board of Education Goals: Please indicate (X) all that apply:

X	Goal 1: Accountability for Student Learning
	Goal 2: Rigorous Standards to Promote College and Career Readiness
X	Goal 3: Expanded Opportunities to Learn
	Goal 4: Nurturing Young Learners
	Goal 5: Highly Qualified and Effective Educators
	Goal 6: Sound Policies for Student Success
	Goal 7: Safe and Secure Schools
	Other Priority or Initiative. Specify:

Background Information and Statutory Authority:

Goal 1: The Academy must meet rigorous criteria established by the Board of Education under the Governor’s Science, Technology, Engineering, and Mathematics Academy Program. Students progress in academic and technical knowledge and skills; and their employability knowledge and skills are monitored and measured annually to ensure successful transition to college and career.

Goal 3: The Academy is designed to expand options for students’ health science literacy and other critical knowledge, skills, and credentials that will prepare them for high-demand, high-wage and high-

skill health sciences careers in Virginia.

On September 7, 2012, the Virginia Department of Education announced planning/implementation grants in the amount of \$10,000 each for establishment of Governor’s Health Sciences Academies in the eight superintendents’ regions. The Governor’s Health Sciences Academy shall consists of partnerships of one or more public school divisions or multiple schools within a school division, healthcare institutions, business and industry, and higher education institutions; and offer rigorous academic content with career and technical instruction. The Academy must include specialty programs within the five career pathways.

Health Sciences Career Cluster

Career Pathways	General Description
Therapeutic Services	Care and treat patients to improve their health over time. Counsel patients and provide them the tools needed to live a healthier and problem-free lifestyle.
Diagnostic Services	Use tests and evaluations to aid in the detection, diagnosis and treatment of diseases, injuries or other physical conditions.
Health Informatics	Manage health care agencies by overseeing all patient data, financial information and technological applications to health care processes and procedures.
Support Services	Assist health care professionals with a range of administrative and maintenance duties to ensure that the health care environment is maintained.
Biotechnology Research and Development	Discover new treatments and medical technologies to improve human health and advance the overall health science field.

At least two of the health sciences career pathways must be implemented initially. The remaining three pathways must be fully articulated and implemented within the next three years. Also, the Academy must agree to participate in the Governor’s Exemplary Standards Award Program.

As required by the Board of Education, the State Council of Higher Education for Virginia (SCHEV) has reviewed the attached proposal and recommends that the Board approve the proposal. Staff members of the Virginia Department of Education (VDOE) have also reviewed the proposal in the context of the established criteria. An executive summary of the proposal is in Attachment A. Attachments B and C are the reports from the reviews by SCHEV and the VDOE. Attachment D is the complete proposal.

Summary of Important Issues:

Job projections indicate that between 2010 and 2018 there will be more than 6,700 new health care positions opening up on the Greater Peninsula, an estimated growth of 30.24 percent (Peninsula Council for Workforce Development, 2012). Health care and social assistance occupations are a large portion of the total work force on the Peninsula.

Hampton City Public Schools Governor’s Health Sciences Academy

The proposed Hampton City Public Schools Governor’s Health Sciences Academy will be located at Bethel High School and will serve students from four high schools and the eight feeder middle schools. The Hampton City Schools in partnership with The Abreon Group, Riverside School of Health Careers, Sentara Healthcare, Hampton University, Thomas Nelson Community College, and ECPI College of Technology, will offer a comprehensive program starting with an existing middle school exploratory program of health care careers. Beginning in 2013-14, the Academy will implement the Diagnostic Services and Therapeutic Services pathways. These pathway programs will provide the core high

school level academic and technical courses needed for successful transition to postsecondary education and careers in dentistry, medicine, nursing, biomedical technicians, and emergency medical technicians. By 2015-16, the Biotechnology Research and Development, Support Services, and Health Informatics pathways will be fully articulated and implemented. Students will engage in performance-based learning with programmable patients, hospital beds, practice models, and use common medical equipment such as blood pressure cuffs, stethoscopes, pulse oximeters, and a variety of electronic diagnostic equipment typically found in hospitals and clinics. Upon high school graduation, students will earn at least nine hours of dual credit, earn one or more Board-approved industry certifications, and participate in advanced placement courses.

Students completing the Hampton City Public Schools Governor's Health Sciences Academy will be well prepared for entry into postsecondary healthcare programs or entry-level jobs in the Greater Peninsula's work force.

Newport News Public Schools and York County Public Schools Governor's Health Sciences Academy

The Newport News Public Schools and York County Public Schools Governor's Health Sciences Academy will be located at Warwick High School in Newport News and Bruton High School in York County. Extensive partnerships have been formalized among Newport News Public Schools, York Public Schools, New Horizons Regional Technical Center, Riverside School of Health Careers, Riverside Health Systems, Thomas Nelson Community College, Hampton University, Old Dominion University, and Community Health Charities. The partners will work together to expand student learning beyond the classroom. Students will participate in work-based experiences such as job shadowing, internships, and clinical practicums in a variety of health care fields. Beginning in 2013-14, the Academy will offer the pathway plan of study for Support Services and Therapeutic Services. By 2015-16, the Diagnostic Services, Health Informatics, and Biotechnology Research and Development pathways will be fully implemented. Students will have an opportunity to concentrate and take specialized courses in a full-day, yearlong academic program at the high school campus in addition to courses specific to health sciences.

The Governor's Health Sciences Academy pathway programs will help to bridge training and preparation for the Greater Peninsula's in high-demand, high-skill, and high-wage careers.

Impact on Fiscal and Human Resources:

Funding for implementation must be provided at the local level.

Timetable for Further Review/Action:

The proposed beginning date for the Hampton City Public Schools Governor's Health Sciences Academy, and the Newport News Public Schools and York County Public Schools Governor's Health Sciences Academy is school year 2013-14.

Superintendent's Recommendation:

The Superintendent of Public Instruction recommends that the Board of Education approve the proposals to establish the Hampton City Public Schools Governor's Health Sciences Academy; and the Newport News Public Schools and York County Public Schools Governor's Health Sciences Academy.