

Health and Medical Sciences Academy Proposal
Executive Summary
Monticello High School
Fall 2011



Mission:

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

Vision:

Students will explore and pursue Health-Related Career Opportunities within the pathways below:

Pathway 1:

Allied Health (to include a variety of industry certification programs)

Pathway 2:

Technical, Bio-Engineering, Medical Equipment

Pathway 3:

Medical Doctor, D.D.S, RN, LPN

WHY a Health and Medical Sciences Academy?

- Data from the US Department of Labor – Bureau of Labor Statistics - show Healthcare is one of the fastest growing occupations that will generate 3.2 million new wage and salary jobs between 2008 and 2018.
- Data from the "Virginia Employment Commission" show short term and long term projections in the healthcare industry that indicate a great increase in need for health related occupations in the Charlottesville MSA Community Profile alone.
- Long term projections in the Charlottesville area show an increase of 23.67% (8,104 job openings) in Healthcare Practitioner & Technical Occupations; additionally, an increase of 39.99% (4,478 job openings) in Health Support Occupations between 2008 and 2018.

General Information:

- Interested Students must complete an application.
- This is open to all students in Albemarle County Public Schools.
- A detailed Academy Timeline is in place. We plan to open during the 2012-2013 school year, for up to 45 - 9th grade students. During 2013-2014, courses will be offered to 9th - 11th grades – up to 150 students. We plan to be at full capacity by 2015-2016, with up to 200 students in grades 9 – 12.
- Advisory Board to include community partners, parents, students, and educators will convene monthly throughout the planning stages for the academy.
- We are establishing community partnerships to include UVA Medical School, and PVCC to support and enhance instructional opportunities for students.
- The academy will serve all grade levels by 2015.

This unique academy will offer *integrated core curriculum* throughout the program. Students will participate in engaging learning opportunities that support critical thinking, problem solving, teamwork, and lifelong learning. Students will engage in case study work, as well as participate in job shadowing and clinical opportunities.

Contacts: Cathy Worley – cworley@k12albemarle.org Katina Dudley – kdudley@k12albemarle.org