Health Science Career Academy
Bertha-Hewitt High School

The Health Science Careers Academy offers an introduction to the many varied careers in the health field today. Students will develop an understanding of the human body, body systems and functions. Students will explore long and short career options, develop an understanding of the terminology used by medical professionals, develop and understand medical environments from clinics to long term health facilities. When completing the Academy, students will have basic skills to determine what aspect of the health industry they are interested in and will be able to transfer their credits to continue their education at a post-secondary institution.

Academy Courses

Anatomy and Physiology/Medical Biology   ***1 High School Credit***
This course is an overview of all body systems, disease processes and body functions. In addition, discussion focuses on a variety of other medical areas such as psychology, diagnosis, pharmacology, medical terminology and parasitology. Fetal pigs will be used as models for dissection. Medical biology deals with skills and knowledge essential for all health and medical fields.

Chemistry   ***2 High School Credits***
This course is an in depth study of chemical reactions, balancing equations and chemical reaction problems. General laws of chemistry, periodicity, atomic and molecular structures, physical and chemical changes are included. Students will develop an understanding of correlating chemical principles with practical applications using lab techniques.   Basic chemistry knowledge and good math skills will be essential to success in this class.

Child Development   ***1 High School Credit***
This course serves as an excellent first glance into the development and care of a child. Students will learn first-hand how parents and childcare providers can meet the needs for healthy growth and development of a child. The course focuses on everything from why we need to study parenting, to the birthing process, to a child's nutrition. Students will come out of the course with a better knowledge of the effort and time to takes to raise a child.

Academy Completion Standard
Students wishing to receive a certification for this academy must complete all courses while earning a "B" or better average in each course. Students must complete both semesters of Anatomy and physiology/Medical Biology and Chemistry.

Business and Industry Experiences
Students will listen to guest speakers such as speech therapists, physical and occupational therapists and social workers. In addition, jobs shadows in personal areas of interest are part of the workplace experiences. Students will also attend the Career Expo Day and examine careers with health care professionals.

Job Skills
In addition to having technical skills, employers expect their workers to have other skills such as:
- Active Listening and Speaking Skills
- Problem Solving
- Basic Research Strategies
- Oral and Written Communications Skills
- Team Work

Careers Options
Registered Nurse, Doctors Physical Therapist, Occupational Therapist, Pharmacist, Recreational Therapist, Nutritionist, Psychologist, Health Care Practitioners, Anesthesiologists, Coroners, Dermatologists, Health Unit Coordinators, Hospital Registrars, Internists, Medical Equipment Preparers, Biotech Assistants, Medical Researcher, Nurses, Pharmacy Assistants, Sonographers, Audiologists, Medical Secretaries, Educators, Veterinarian

Job Outlook
Health Careers - 17% growth for Central Minnesota

Postsecondary Programs
Please check at www.mnscu.edu for colleges that offer educational programs for this Career Academy such as;
> Central Lakes College, Northland Community and Technical College, Century College, South Central College, Minneapolis Community and Technical College, Anoka Ramsey Community College, Ridgewater College, Minnesota West Community and Technical College, Hennepin Technical College, Rochester Community and Technical College, Normandale Community College, Bemidji State University, St. Cloud State University, and Mankato State University

Bridges Career Academies & Workplace Connection