



# Bridges Career Academy Health Science

*Verndale High School*

Introduction to careers in health. Develop an understanding of the human body, body systems and functions. Explore long and short career options, develop an understanding of the terminology used by medical professionals as well as medical environments from clinics to long term health facilities. Prepare to continue education.

## Academic Courses

- Biology
- Chemistry
- Child Development
- Human Biology
- Algebra II
- Psychology

## Career Experiences

- Listen to industry speakers
- Tour local businesses
- Attend the Bridges Career Exploration Day or other regional career fairs

## Completion Standards

COMPLETE

**3 of 6 courses**

GRADES

**C+** ↑

ATTENDANCE

**90%**

Earn a **certificate** and **green cord** at graduation



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## Job Skills

In addition to having technical skills, employers expect workers in this industry to have these skills:

- Active listening and speaking skill
- Problem solving
- Basic research strategies
- Oral and written communications skills
- Team work



# Health Science Career Academy

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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 as well as medical environments from clinics to long term health facilities. Students will have the skills to determine what aspect of the health industry they are interested in and will be able to continue their education at a post-secondary institution.

### ACADEMY COURSES

#### **Biology** — 1 High School Credit

Students will study living things starting at the atomic level through the organism level. Develop science skills using the scientific methods, analyzing cell structures and functions. Learn the principals of genetics and explore the theory of evolution. Understand skills and knowledge essential for health/medical fields.

#### **Chemistry** — 2 High School Credits

In this course you will study matter and energy and the interactions between them. Through the course students will discover and work with the relationships that are fundamental to chemical reactions and the structure of matter. The lab experience will provide opportunities to master concepts use problem-solving skills and apply skills to real world situations.

#### **Child Development** — 1 High School Credit

This course serves as an excellent first glance into the development and care of a child. Learn about the 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.

#### **Human Biology** — 1 High School and/or 4 College Credits

This course introduces the structure and function of the human body using an organ systems approach. Explore the integumentary, skeletal, muscular, circulatory, respiratory, digestive, excretory, nervous, endocrine and reproductive systems. Also includes human development and heredity.

#### **Algebra II** — 1 High School Credit

This course consists of advanced algebra and trigonometry topics such as real numbers, linear functions and relations, systems of open sentences, quadratic functions and relations, complex numbers, polynomial and relational functional sequence.

#### **Psychology** -- 1.5 High School Credits

This course will provide students with a broad introduction to the field of psychology. Students will be acquainted with key concepts of psychology that will allow for an improved understanding of not only oneself, but others, and the environments around as well.

### COMPLETION STANDARD

Students wishing to receive a certification for this academy must complete 3 or the 6 courses while earning a "C+" or better average in each course as well as a 90% attendance rate.

### CAREER EXPERIENCES

Students will listen to guest speakers such as speech therapists, physical and occupational therapists and social workers. Students will attend the Bridges Career Exploration Day event and other regional career fairs, tour businesses and examine careers with health care professionals.

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### **JOB SKILLS**

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- Basic research strategies
- Oral and written communications skills
- Team work

**CAREER OPTIONS:** [www.careerwise.minnstate.edu/careers](http://www.careerwise.minnstate.edu/careers)

**JOB OUTLOOK:** [www.careerwise.minnstate.edu/jobs](http://www.careerwise.minnstate.edu/jobs)

**POSTSECONDARY PROGRAMS:** [www.careerwise.minnstate.edu/education](http://www.careerwise.minnstate.edu/education)

