

ALLIED HEALTH FIELDS

PATHWAY DESCRIPTION

Course Offerings/credit (minimum of 3 courses)

<i>Honors Human Anatomy & Physiology</i>	1
<i>Honors Biotechnology</i>	1
<i>Intro to sports medicine/athletic training</i>	.5
<i>First Aid/CPR</i>	.5
<i>Forensics</i>	1

Career options

- Physician
- Nurse
- Physician Assistant
- Dentist
- Emergency Medical Technician
- Clinical Laboratory Scientist

Learning Opportunities

Barcoding Life's Matrix program

Amgen Biotech Experience certificate

Biotechnology- college credit

First Aid/CPR/AED certified

The Allied Health Fields Pathway provides students with the opportunity to explore health related careers. Students will learn the structures and functions of the human body. Students will examine various diseases and disorders that cause disruptions to normal functioning. They will learn about symptoms, diagnostic tests, treatment, and apply knowledge to clinical examples. They will engage in real-world activities that will provide exposure to possible careers such as nursing and emergency medical technicians.

Students will have authentic science experiences in the Biotechnology course as they participate in creating a digital genetic registry for Earth's multicellular life. Students are equipped with the information and resources necessary to generate and integrate reference DNA barcode sequences into records that will ultimately benefit future studies aimed at preserving and

protecting Earth's biodiversity. As a result, students are given scientific authorship and credit for the data they contribute to an international registry.

Students in Biotechnology complete the URI course "Issues in Biotechnology" (BCH 100) This course can be taken for (3) three college credits through the University of Rhode Island (Early Enrollment College Credits). Accreditation through URI is transferable to most programs.

Students will have the opportunity to earn certification from the American Red Cross in First Aid/CPR/AED.

Students will learn life saving skills to respond to cardiac, breathing and first aid emergencies. Students who are interested in athletics and the medical needs of athletes will explore career opportunities in Athletic training and Sports medicine.

Students in the pathway will engage in exciting activities such as animal dissections and DNA gene sequencing. They will learn how to use state-of-the-art equipment like Vernier Logger Pro. They will also use industry level laboratory equipment from University of Rhode Island.



PATHWAY REQUIREMENTS

Students interested in pursuing a pathway in this area should meet with their guidance counselor to select the best sequence of courses that will satisfy the North Smithfield High

School graduation requirements and at the same time, meet the criteria to receive a seal of concentration in Allied Health.

Students will also develop an Health related focus which will culminate in field experience for the required senior project.