

Health Science Camp

Schedule*

Monday

- Session 1: Patient Care
- Session 2: CPR/AED Certification

Tuesday

- Session 1: Emergency Triage
- Session 2: Cardiac Care/HBP

Wednesday

- Session 1: Veterinary Care
- Session 2: Toxicology/Self Care

Thursday

- Session 1: Bioterrorism/DNA
- Session 2: Forensics

Friday

- Session 1: Healthcare Ethics
- Session 2: Careers in Health

Course Descriptions:

**Camp schedule or courses subject to change without notice*

Self Care / Patient Care - Students will be encouraged to enrich their knowledge through critical thinking and stimulating, fun activities to prepare for success in the health sciences. Campers will also explore understanding and taking better care of patients by educational doctor/ patient role plays and games. Students will also perfect how to take blood pressure readings on themselves, and learn the proper technique of taking blood glucose levels utilizing glucometers on themselves.

Emergency Triage / CPR - Unique hands-on perspective from Urgent Care professionals, students may explore on a lifelike human body simulator the effects of emergency medications. Campers will also enjoy participating in a "Mock Disaster" to think through a potentially life-threatening situation. A two-year CPR certificate is also included w/ an AED demo challenging students to revive a simulated heart attack victim with electronic defibrillator paddles.

New! Veterinary Medicine – A local Veterinarian will discuss careers in Animal Science, and allow participation in a live exam.

Bioterrorism / DNA– A local expert on bioterrorism will show amazing slides from foreign countries that have developed programs producing biological toxins, dangerous bacteria, and killer viruses designed to incapacitate human beings in real-life warfare. Students will also learn to use a new DNA virtual laboratory analysis to discover paternity in fictional subjects.

Toxicology – Students will solve clinical cases involving poisoning by animal, plant and human sources of deadly substances.

Cardiac Care/HBP - The number one killer in the world still remains cardiovascular disease for men and women alike; students will learn from a local cardiologist how to trace a drop of blood through the body, and calculate how long you can survive massive blood loss from severed limbs in hemodynamic lab activities. Exposing high blood pressure effects on the body's target organs, as well as the relationship it has on obesity, age and diabetes will be explored through "Drug Wars", a pharmacy debate where students will defend antihypertensive products in a participatory competition.

Forensics – Students will be able to spark their interest for criminal detective work utilizing human tissue evidence. Campers will use their cognitive skills to analyze simulated blood splatter to solve a "crime scene." Students will also learn and apply the latest technology in examining biological techniques through advanced finger printing analysis.

Healthcare Law & Ethics – Students will gain valuable leadership experience in a "Mock Trial" with our corporate attorneys, and debate actual cases in moral and ethical healthcare issues, such as life support continuation in "real" patient scenarios.

Careers in Health - This high-impact opportunity is where it all comes together; students will not only discover more about their potential skills relating to their own healthcare careers, they will also collaborate directly with a panel of their peers who are recent healthcare graduates in fields such as pharmacy, medicine, physical therapy and nursing to answer questions they might have.