



Medical and Health Specialties Program @ Maury High School

INFORMATIONAL VIRTUAL PROGRAM

NOVEMBER 2020



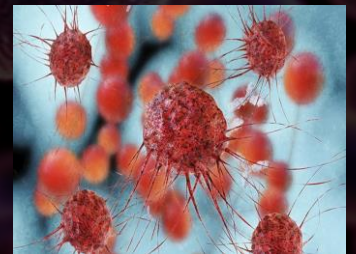
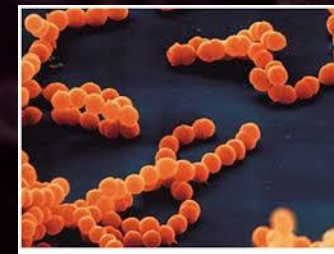
Ever heard of CSI?

**Forensic anthropologists work at the
REAL body farm....**



Microbiologists deal with

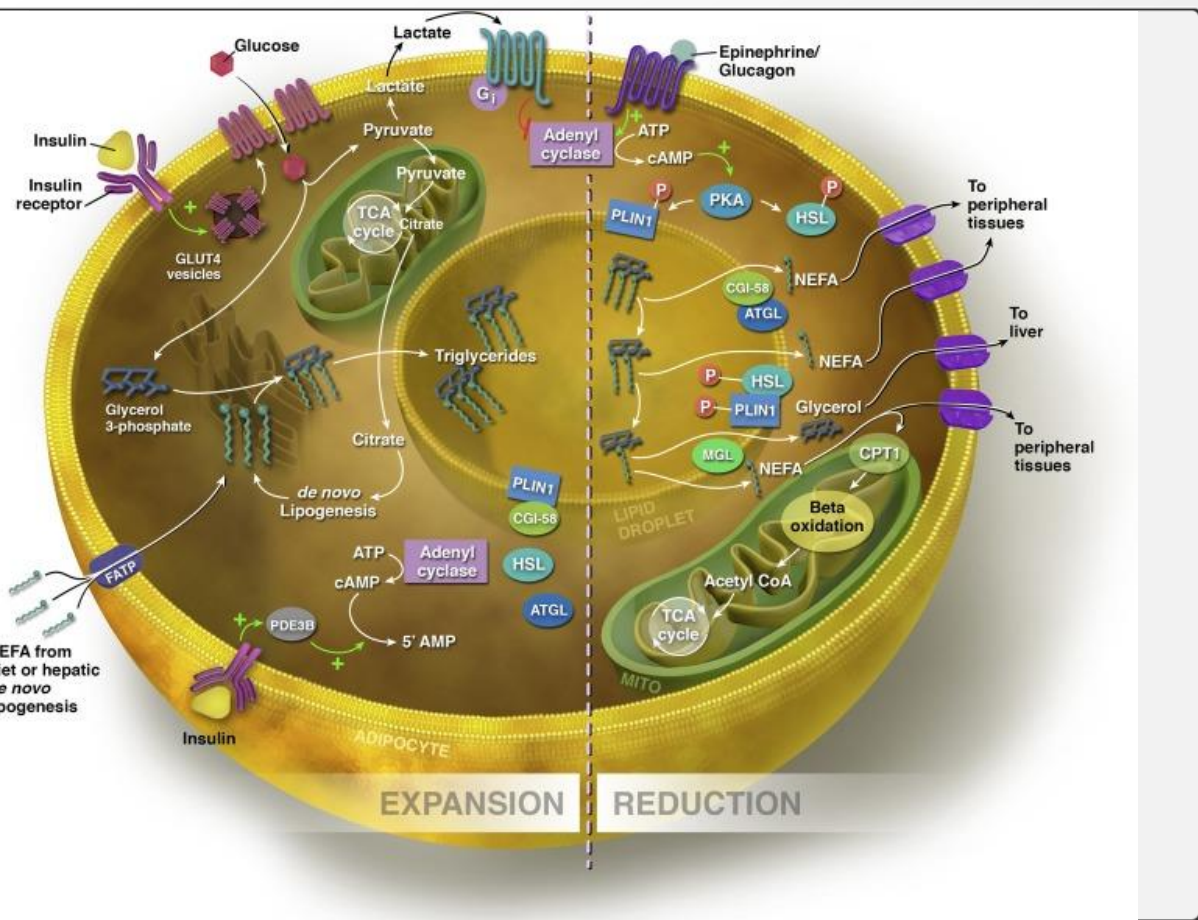
COVID-19 ...Blood Cells...Cancer Cells...Strep Cells...



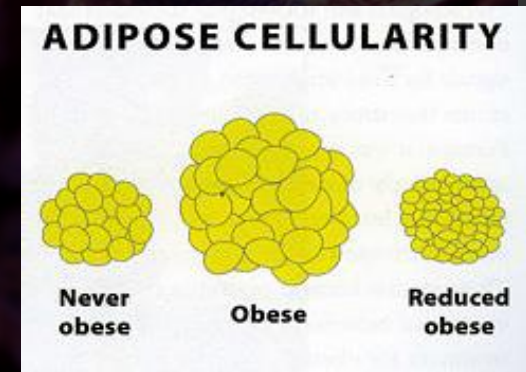
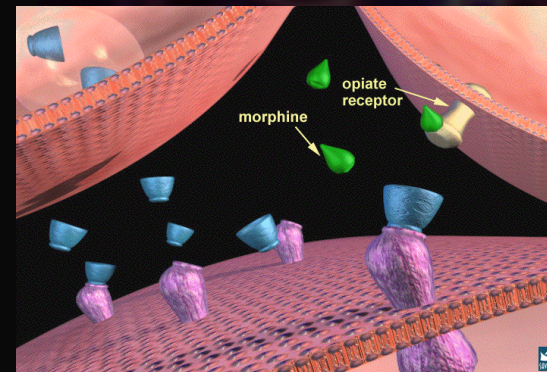


**Athletic trainers, first responders,
orthopedic surgeons deal with
sports injuries...**





Researchers seek to understand the body through chemistry...





So, how can you become

A forensic anthropologist?

Or

An athletic trainer?

Or

A sports medicine physician?

Or

**Participate in research to find a
cure for cancer?**

PROGRAM CLASSES

Unique, specially designed classes taught by creative & highly engaged teachers...



Freshman Year

**Biology with
Medical
Applications**

**Accelerated
Health
(Introduction to
Anatomy)
& PE 9**

Sophomore Year

**Chemistry with
Medical
Applications**

**This is a double
blocked class
which means it
meets every day
for 90 minutes**

Junior Year

**Anatomy &
Physiology**

**Science
Elective:**
AP Biology
AP Chemistry
AP Environmental
Science
AP Physics
AP Psychology
Sports Medicine 1

Senior Year

**Select from one of
the following four
classes:**

- **Bioethics**
- **Emergency
Medical
Responders**
- **Forensic Science**
- **Sports Medicine**

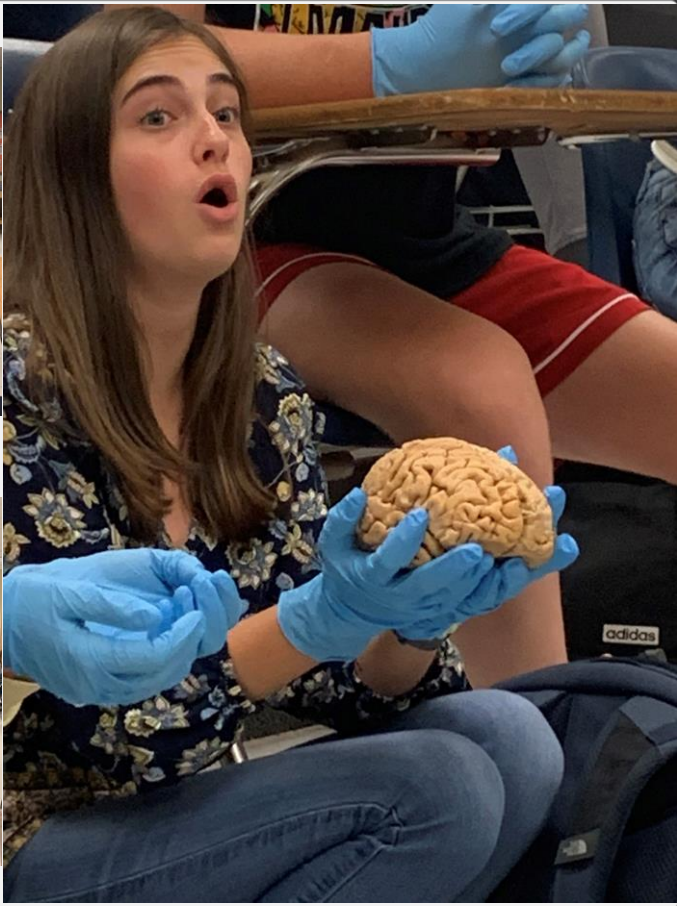
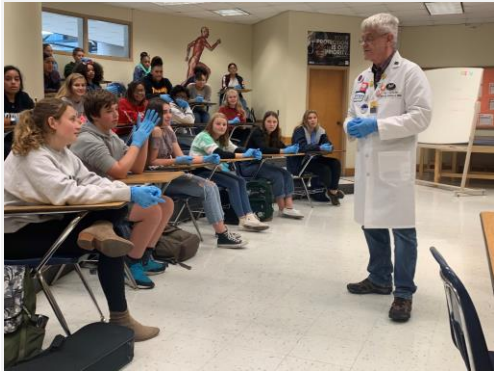
**Plus a second
science**



BIOLOGY WITH MEDICAL APPLICATIONS...

DONNA MITCHELL

- dissections
- suturing
- guest speakers
- anatomy lab at EVMS...& lots more



ACCELERATED HEALTH & PE9 ...

TERRY ZABLOCKI

- Introduction to Anatomy
- Study of Body Systems
- Foundation for Anatomy at EVMS
- The grade in this portion of the class is closely monitored



CHEMISTRY WITH MEDICAL APPLICATIONS...

MARYBETH DIXON & JESSICA TOMAN

- 90 minute class double blocked (meets every day)
- In-depth study of basic chemistry with a focus on applications to the human body
- Added organic chemistry component



ANATOMY- PHYSIOLOGY...

- JILLIAN PEEPLES & TERRY ZABLOCKI
- 90 minute class double blocked & held at EVMS
- In-depth study of human anatomy



SPORTS MEDICINE 1 & 2 ...

MATTHEW TALLEY

- Hands-on skills training to assess and treat sports related injuries
- Reinforcement of anatomy knowledge



FORENSIC SCIENCE...

DEBBIE ALLEN

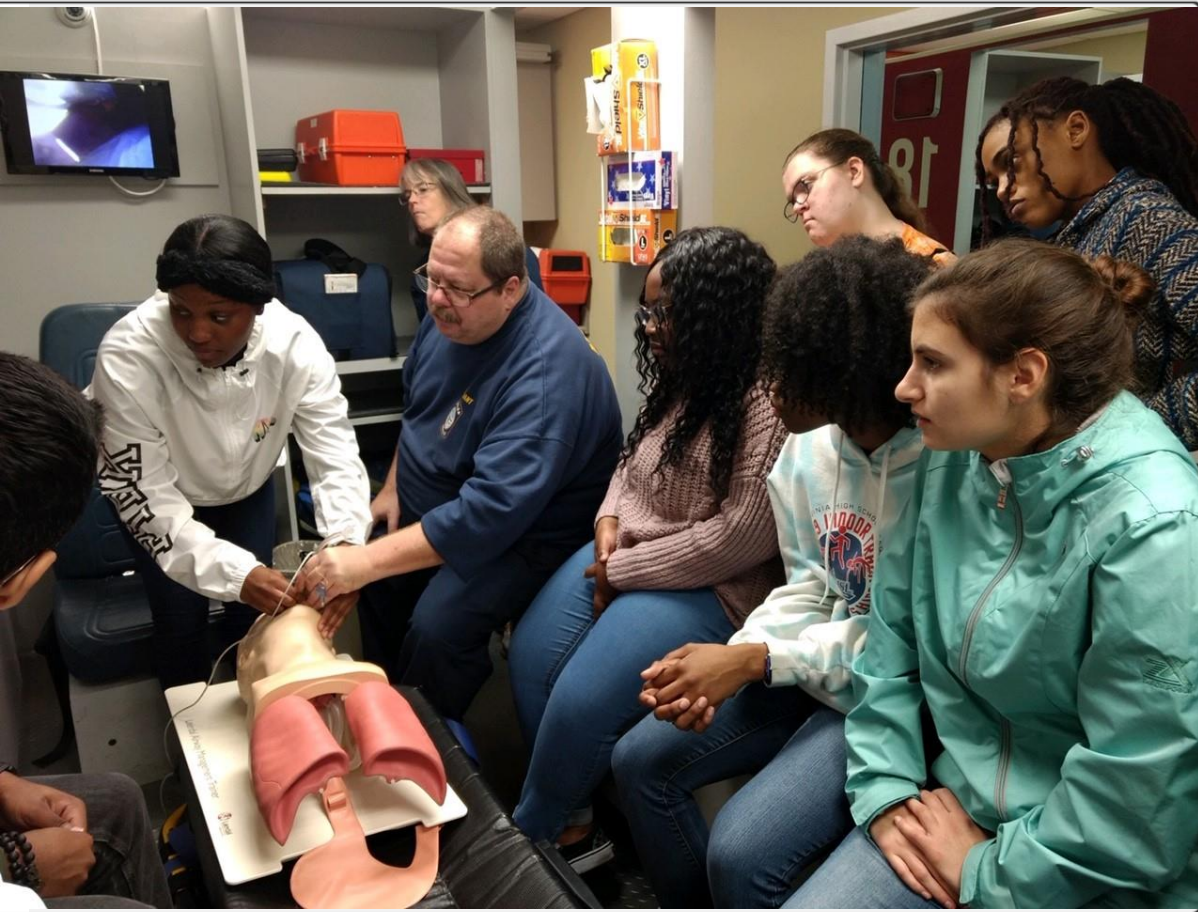
- Investigative science integrating anatomy, biomed and chemistry
- Labs include fingerprint analysis, source of germs, blood spatter & study of decomposition in a simulated body farm.



BIOETHICS...

BRYAN BENNETT

- Socratic style class
- Ethical decision-making models explored through real-life case studies
- Monthly participation in Bioethics committee & annual Bioethics conference @ SNGH



EMERGENCY MEDICAL RESPONDERS...

TERRY ZABLOCKI

- Intensive first responders training following the Commonwealth of Virginia EMS Emergency Medical responders curriculum
- Students test for national Emergency Medical Responder First Level certification exam

In addition to the core classes, juniors & seniors must opt for a second science class during the 11th & 12th grade years...

- AP BIOLOGY
- AP CHEMISTRY
- AP ENVIRONMENTAL SCIENCE
- PHYSICS
- AP PHYSICS
- AP PSYCHOLOGY
- SPORTS MEDICINE



Science Elective options

Juniors & Seniors must take two sciences.

And lots of enrichment with interesting speakers & opportunities



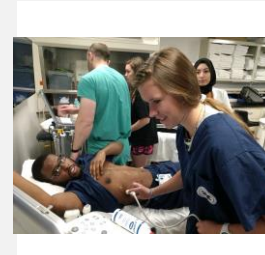
**Anatontage
table at EVMS**

Virtual anatomy and
layers of dissection



**Pathology
Program**

Career exploration in
an array of medical
related fields.



**Ultra Sound
Clinic**

Learning basics under
the watchful eyes of
medical students.



And field trips including: Job Shadow Day at SNGH; a visit to VCU to begin the college consideration process; visit to the Lifenet Facility to learn about organ donation; a visit to the Norfolk Emergency Training Center and others.



The goal of this requirement is not only to instill the value of giving back to society. It is designed to help students develop solid time management skills.

“To those who much is given, much is expected...”

COMMUNITY SERVICE

YEARLY REQUIREMENT

30 hours each year

120 hours by graduation



- 45 seniors graduated last year.
- 100% were accepted into a college or university.
- 40 of the 45 graduates planned a major in a medically related track of studies or hard sciences.
- The average GPA of the class of 2020 was 4.25
- The MHSP Class of 2020 was offered more than \$9,262,000 in scholarships and grants.
- This class accrued more than 10,400 hours of documented community service



What's so special about the kids in the program?

This is a dynamic cohort of students....

- Someone who is willing to work hard
- Someone who is good with time management
- Someone who is willing to accept challenges and show initiative

To be **eligible*** to apply

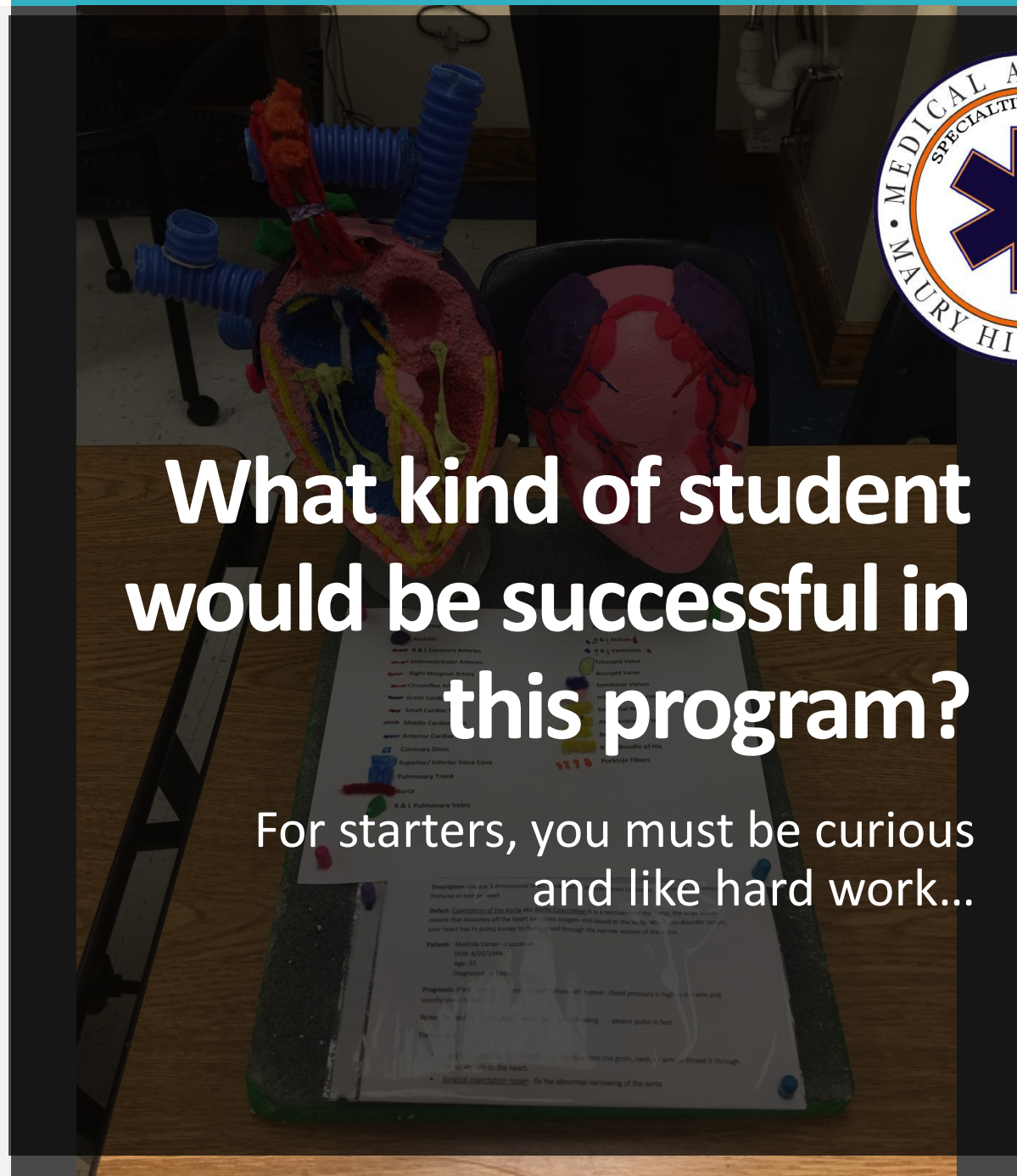
*This does not mean the student will automatically be accepted

- Have a 3.0 GPA
- Earned algebra 1 and one other high school credit
- Submit 4 letters of recommendation
- Have excellent attendance and discipline records
- Some students will be invited to test and submit a writing sample.
- 50 students will become the Class of 2025 and enter Maury fall in September, 2021



What kind of student would be successful in this program?

For starters, you must be curious and like hard work...





- General application information
- Grades from high school credit bearing classes and middle school English
- Transcript with 7th and 8th grade classes, including mid-year grades from middle school counselor
- Attendance record
- Discipline record
- Testing results: PSAT; SOL testing
- Applicant short-answer questions, preferably handwritten.
- Teacher recommendation forms from: Math, Science, English and one additional academic teacher
- Counselor comment page



APPLICATION PROCESS

APPLICATION COMPONENTS

Students spend four years in a very exciting and unique program...

http://www.evms.edu/about_evms/administrative_offices/marketing_communications/publications/issue_9_1/is_medicine_for_me.php



34 Year Partnership

With the Eastern Virginia Medical School...

Questions about the program may be sent to the program leader, Anne Christie

Achristie@nps.k12.va.us

Note: due to COVID restrictions, shadowing opportunities will not take place this year.



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Virtual Informational Program

