

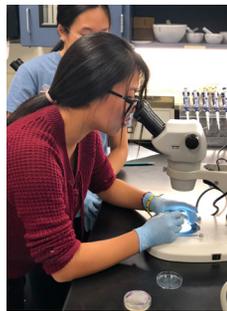
October

Medical Professions Academy Newsletter

By: Anna Arnett (Junior), Quinlan Couch (Junior), Ty Twidwell (Junior), Brianna Bernhardt (Freshman), Jessica Wambua (Sophomore)

Extraordinary E-hours

Junior Cooper Crockett recently started the Change for Malawi Club at Olathe North. The club works to start fundraisers to collect enough money to build water wells for those in need in Malawi. Cooper says he started this club because he “wanted to help others who didn’t have access to one of our most basic needs, water”.



Juniors Dorina Cao (left) and Cooper Crockett (middle) observe *C. elegans* under a microscope (right).

Juniors at University of Missouri-Kansas City (UMKC).

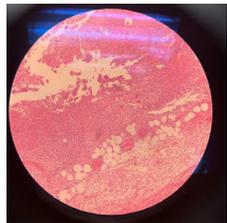
Upcoming Events

- November 1st: 21st Century Programs Open House / 6-8pm
- November 7th: Change for Malawi Meeting / Room 008 / Halftime B
- November 8th: Academic Breakfast / North Gym / 7:15am
- November 16th: Biotech Day / KU Edwards / 8:30am-2:30pm
- November 16th: Sciflix Presentation / Cinetopia
- November 29th: 21st Century Presentations / 6-8pm
- November 29th: Freshman Field Trip / UMKC
- November 30th: CNA Application Deadline

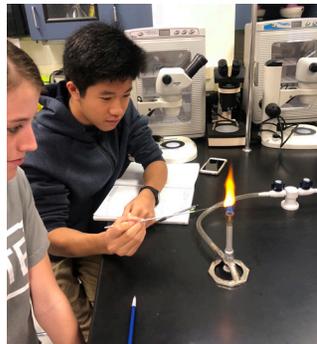
Senior Spotlight



Sireen Kenana interns on the surgical pediatric floor at Olathe Medical Center. She answers the call light phones, updates nurses on how patients are feeling and takes and records vitals. Sireen said she’s seen “how much of an impact nurses have at the hospital and how they are the eyes and ears for the doctors”.



Myocardial Infarction (top left), Acute Suppurative Appendicitis (above) and Coccus bacteria (bottom left) under a microscope.



Freshmen Kaleb Zhu and Maci Emerick practice sterilization with a bunsen burner.



Sophomore Alicia Martin pouring nutrient agar plates.

Freshman started off the month by learning about prokaryotic cells. They have done multiple labs, including how to do oil immersion and examine human tissue using a microscope. They are currently doing a lab where they practice making agar plates. In order to do that, they use bunsen burners and an autoclave to practice sterilization techniques. Freshmen have also been learning vocabulary about the circulatory and nervous system.

Sophomores have learned about DNA mutations, classification of chromosomes, mitosis and meiosis. They started to dive deeper into biology and learned to apply it in a medical perspective. They have also been working on populating fruit flies and pouring agar plates.

Juniors presented their protein posters to parents, administrators, judges and scientists from the community. They then began lab work with *C. elegans* by making observations of the wild type and mutants, and will begin genetically modifying them shortly. More recently, juniors toured UMKC and learned about their physician assistant and anesthesia assistant programs. They heard from several students in the program and were able to see the simulation labs.