



SNAKES!

Participants in this session will learn the truth about snakes and their role in nature. Several live snakes will be on display, and participants will have the opportunity to hold snakes and watch them eat. Students interested in biology, our Zoo Science major, and animals should consider this session.

ZOO SCIENCE FOR A DAY

Visit WLU Zoo Science and Applied Conservation, one of the most unique majors in the country. With a living collection of 220 animals on site our students are active in the animal husbandry, education programs, and conservation field work. Come and explore our living animal collection on campus, how our students learn alongside these animals, and meet a few of the unusual inhabitants of Arnett Hall.

RECYCLED CIRCUITS

How does a lightbulb light up? How does a circuit function? Come to this physics session and learn all about circuits. We will be constructing different circuit types by reusing a variety of commonly found household objects. No need to worry about getting zapped, the only shock factor here will be when your mind is blown!



REGISTER:
westliberty.edu/register-scifi

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SCIFI

**SCIENCE CLASSES I FIND
INTERESTING**

April 6, 2020 9am - 12:30pm

**Campbell Hall of
Health Sciences**



OPEN TO ALL HIGH SCHOOL STUDENTS

- Students choose 2 sessions
- Scholarship drawing
- Free Lanyard
- NO FEES

SCHEDULE:

APRIL 6, 2020

Welcome	9:00	-	9:30
Session 1	9:45	-	10:30
Session 2	10:45	-	11:30
Admissions	11:45	-	12:15
Closing	12:15	-	12:30
Lunch	12:30	-	1:30



CHEMISTRY IN EVERYDAY LIFE?

The applications of chemistry are everywhere in our daily lives. In this session you will see the wonderful world of chemistry within your daily activities that include cooking, water safety, electricity, nutrition, and fun with acids and bases.

RIGHT PIPE, WRONG PIPE, WHAT PIPE?

Have you ever taken too big of a drink and it went down the wrong pipe? Did you know there actually is a "wrong pipe?" Some people have a swallowing disorder called dysphagia, which causes things to go down the "wrong pipe" all the time! This session will demonstrate the different ways to change the thickness of liquids to make sure they get into the stomach and not the lungs. Some liquids will be as thick as milkshakes! Maybe you will even get to try our special drinks! Cheers!

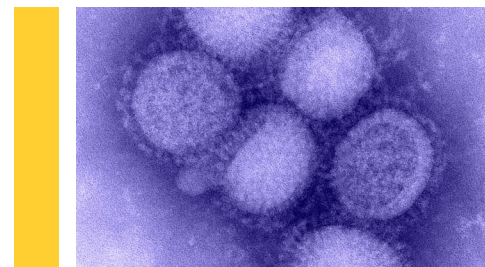
YUCK NOW THAT IS GROSS!

Often times the oral cavity can appear gross. Through the use of an intraoral camera we will look at what first appears gross and discover the real functions and names of common oral structures. This is good for students who may potentially want to enter the field of dental hygiene and/or dentistry.



RED PLAGUE!

Ever heard of the Black Death that spread through Europe in the 1300s? Typhoid Mary, a cook who spread typhoid fever to unsuspecting persons in the 1880s? Now we have the Red Plague sweeping the nation! Passed by casual contact, the Red Plague is characterized by mysterious symptoms that appear to include unrestrained laughter and having a jolly good time. We will explore the transmission of the Red Plague and determine how easily and how far it is spread in this simulation experiment.



RED LIGHT, GREEN LIGHT!

Red means stop, green means go! Vision is one of the most important human senses and the color of light can cause a defined reaction. Red light can instill a feeling of threat, fear and danger. Therefore "seeing red" usually induces a faster motor reaction when compared to other colors. In this session, we will explore physiological properties of the sensory nervous system by engaging in a friendly competition to see who has the fastest reaction time...and to what color?

ALIEN GENETICS

Explore hands-on the inheritance patterns of new "species" that are as yet undescribed by science. Learn about genetics and determine if the laws of Mendel apply to these strange new beasts.

PSYCHOLOGY MYTHBUSTERS: THE MAD, THE BAD, AND THE SAD

This crash course will debunk common myths in psychology, including notions that schizophrenia is "split personalities," that dissociative identity disorder is dangerous, and that bipolar disorder is basically "mood swings." Other topics will include misperceptions about the brain, behavior, media portrayals of mental illness, and the problems with self-diagnosis.

NURSING: TO THE ER AND BEYOND

Have you ever wondered what it would be like to be a nurse? Come explore the profession that combines knowledge, skills and compassion to make life saving decisions. In this session, students will have the opportunity to listen to heart and lung sounds and visit with the famous simulation mannequin, SIM MAN 3G.