

MONTHLY JOURNAL OF GREAT PATH ACADEMY SCIENCE

HTTP://GPASCIENCE.WEEBLY.COM

STUDENT-PARENT
RESOURCE:
EDMODO.COM



Students in Biology and Anatomy and Physiology have begun working with the online program, edmodo, an academic networking website where students can access assignments, submit work and contact their instructor in a controlled and safe interface.

Parents we encourage you to also access edmodo!

See the attached form for information on logging in!

Please note: assignments marked "late" in edmodo are not necessarily late. They were simply not submitted via edmodo. This year we are only using edmodo as a supplemental form of material distribution. Check the PowerSchool grades for missing and late work.

Bodies REVEALED at the CT Science Center



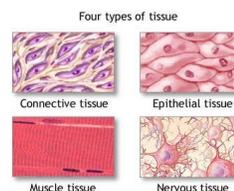
"I SEE DEAD PEOPLE!"

On October 31, 2013, sixty four students from Anatomy and Physiology, Biology and Health classes at GPA traveled to the CT Science Center to visit the World acclaimed, Bodies Revealed exhibit. Thanks to a grant from Bank of America the students entry into the exhibit was free of charge! Students were especially amazed by the fetal exhibit and the circulatory system though the entire feature had incredible views of actual human bodies.

In **Biology** GPA students are studying genetics. Students started by looking at the hot topic, genetically modified organisms (GMOs) debating the use of GMO food crops in the United States and throughout the world as a potential solution to sustainability challenges. They are also looking at the basics: Mendelian genetics and the use of Punnett squares, deciphering patterns of inheritance and the implications of inherited traits through a study of pedigrees.



Articulated Anatomy and Physiology students are learning to identify various tissue types and their functions within the human body.



College Prep. Anatomy and Physiology used a bubble solution to model the function and properties of cellular membranes. The solution is able to imitate the capabilities of the microscopic membrane on a macroscopic (and super awesome) scale. This model helps clarify how diseases like diabetes result from incorrectly functioning cellular membranes.



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Chemistry students have been working on learning the fundamentals of physical chemistry. In addition to learning about measurements, equipment, techniques and notation, students are also exploring the chemical and physical properties of matter. This allows for application of essential techniques to the understanding of those properties.