



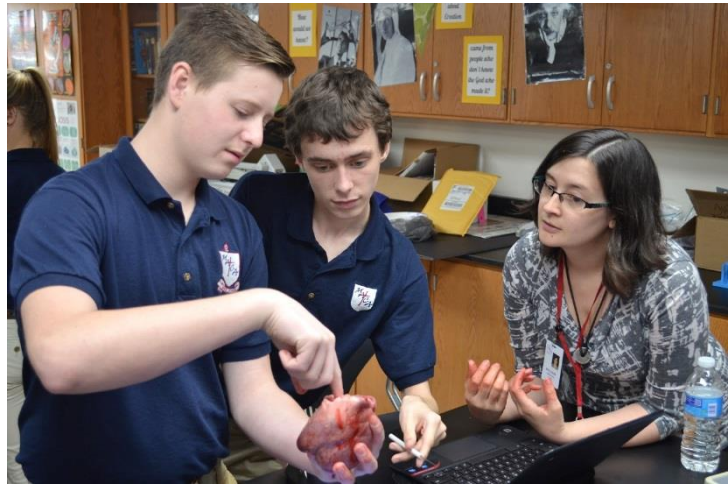
# MACA at a Glance

April 15, 2016

## MACA Anatomy and Physiology Students Learn Through Dissection

Students in Mrs. Korn's Anatomy and Physiology class studied a unit on the heart. They learned about the circulatory system, heart transplants, circulation disorders and heart medications, and the structure and function of the heart. Their assessments included a written test and creating drawings with labels to allow them to identify the parts and workings of the heart.

To help them apply what they have learned about the heart, these Honors Science students dissected pig hearts in class. Frances Heppner said dissecting the heart helped her learn more and to "observe the thickness and texture of the wall of the heart." Brady Smith shared that dissection allowed him to take all



*William Braden, Brady Smith and Mrs. Korn discussing sections of the heart.*

he had learned to another level. "A drawing only shows you part of the whole. Dissection allows you to actually see and find each part on your own."

The students used dissecting trays and kits to cut and divide the hearts, locating and labeling each structure and how its size and location compares to all other parts of the organ. Mrs. Korn said her students always learn a great deal from this exercise. "We use dissection as a visual tool in learning the structures of the heart," she explained. "(During learning), we look at photos and videos and do drawings, but there is nothing quite like holding (a heart) in your hand. They get to use their fingers to trace the flow of blood



*Katie Fleming enjoying her work.*

and they get to feel the musculature of the heart itself so that it stops being this inanimate object or this Valentine's Day shape and starts being a solid, living object that beats in their chest all day, every day."

As they worked, the students were obviously learning. When asked if she was enjoying the class, Tarah Schaefer responded, "Oh, yeah. I love this class. It pushes me to study hard so I understand the information and I enjoy having that knowledge." Schaefer said she knows she will use what she has learned about the skeleton, the muscle structure and body function in college art classes when she moves on to study graphic design. Will Braden said the dissection project in particular was a great learning opportunity. "It allows us to explore the vast complexity of God's creation." MACA is very pleased to provide such opportunities for our students to apply what they have learned and to see how it all proves the creative genius of our God. That is one of the main reasons we are here as a school!



*Mrs. Korn with students; Frances Heppner, Tarah Schaefer and Colton Ramsey working on their heart dissection project.*

Members of Mrs. Korn's 4th period Anatomy and Physiology Honors class are Will Braden, Katie Fleming, Frances Heppner, Colton Ramsey, Tarah Schaefer and Brady Smith.

### **MACA Family Night at the Ballpark – Friday, April 22 at 7:00 p.m.**

Plan to join us on Friday, April 22 at 7:00 p.m. for MACA's Family Night at the Ballpark at the Frederick Keys Stadium. MACA's Varsity Baseball team will take on New Life. Highlights of the evening include:

- MACA Spring Athlete Senior Recognition (Baseball, Track and Field, Girls Soccer)
- Meet Keyote, Frederick Keys Mascot, from 6:00-7:00 p.m.
- First Pitch Ceremony
- Kids Run the Bases
- Concessions

We're excited about the evening and look forward to enjoying Family Night at the Ballpark with MACA NATION!! Admission is \$2.00/Student; \$3.00/Adult; \$10.00/Family Max.

### **A MACA Summer REMINDER**

To register your K-8th grader for a MACA Summer camp, please refer to the brochure and registration form on RenWeb, in the *Announcement* section. Registration forms with deposit can be turned into the office at any time.

### **Is MACA a Cool School? REMINDER**

Don't forget to vote once a day from Monday, April 4 through Sunday, May 1. The winning school gets prizes for each teacher, each student and a cash prize for the school. Please take a moment to read the flier located in RenWeb in the *Announcement* section and choose to vote every day for MACA, your cool school.

### **Labels for Education**

Spring into more bonus points by saving *Labels for Education*. Please see the flier insert in this week's folder for details for receiving *Labels for Education* bonus points. You may turn your labels in via your Communication Envelope.

### **Important Calendar Reminders**

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| Friday, April 22  | ACSI Regional Art Festival for Middle School, Messiah College, Mechanicsburg, PA |
| Friday, April 22  | MACA Family Night at Keys Stadium, 7:00 p.m.                                     |
| April 25-29       | Terra Nova Testing (Grades 2-5, 7)   |
| Tuesday, April 26 | Middle School Field Trip to the Newseum/Washington, DC                           |
| Friday, April 29  | Progress Reports   |