

LEARNING BEYOND THE CLASSROOM



Middle School field trip
to Chesapeake Bay

Water—A Precious Resource

At HMS we like to make learning hands-on and practical. This past year the middle school project-based learning (PBL) topic was WATER. Our kick-off day included a water taste test of store bought waters, filtered HMS water and unfiltered HMS water. Store-brand spring water was the top choice while unfiltered HMS water took last place.

Our PBL field trip was to Havre de Grace, Maryland, at the mouth of the Susquehanna River and the head of the Chesapeake Bay. The students were fascinated by the Lock House and canal. The lock was an engineering masterpiece that allowed boats to move from the bay to the river and back again, by raising and lowering the water level through a series of "locks." This lock also included a swivel bridge that was so well engineered

that it could be pushed by one person, although it was very heavy! My student group decided to try to create their own model of a lock for their PBL project and share it with the rest of the middle school.

I love seeing students "own" their learning through our annual PBL. They follow their inspiration and employ problem-solving skills to create their learning project. The lock house was only one aspect of what the middle school learned this year in relation to the Chesapeake Bay, Susquehanna River and water. The study culminated with each group sharing what they studied and learned about how we manage and care for our water.

— **by Michael Lichty,**
Science Teacher

Conestoga River Study

The fourth grade Stream Study began as a way to tie together science units on microworlds, land and water. Our goal was to determine the health of the Conestoga River near our school by collecting macroinvertebrates. Sallie Gregory from the Lancaster County Conservation District joined us on our first excursion to the stream to teach us how to conduct the study.

Each month the class walked across the Nolt farm to study a section of the river. The students collected water samples and looked for any little critters. Macroinvertebrates are organisms without a spine that can be seen by the naked eye. The students used a chart to sort the critters into three categories:

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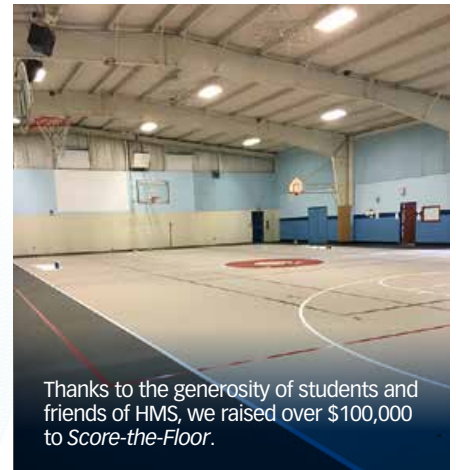


Praying for our Growing School

We were incredibly blessed by the outpouring of financial gifts this past year to help us reach our capital improvement goals. Our 34-year-old gym floor has been transformed! We were also able to complete renovations to the gym wing hallway, restrooms and kitchen.

The last area needing upgrades is our music rooms. This hallway housed the middle school when HMS was still a village of modulares. The classrooms have only a thin, temporary wall separating them from the gymnasium because the dream, when the gymnasium was built in the mid-1980s, was to eventually install a platform or stage there, facing the gym, to provide a more usable space for programs, chapels and school assemblies.

That dream still exists...but has grown! Since the completion of the new elementary & middle school wing in 2012, we've not only expanded our programs, our enrollment has steadily climbed about 5% each year. We are maxed-out for classroom space. Our high school has moved to a modular building. Our choirs and instrumental groups no longer fit in the current music rooms and we need new spaces for art, sewing and cooking classes. Our dream is to build new classrooms as well as locker rooms for athletics and a community gathering space for meals and worship. Dreams or needs, we offer these as prayers so we can better serve our students and families!



Thanks to the generosity of students and friends of HMS, we raised over \$100,000 to Score-the-Floor.

HMS continues to be a caring and growing school community! We want to remain true to our founding mission of providing Christ-centered education that helps students live and learn God's purposes in practical ways. Thanks to ALL who continue to help us make this a reality!

— by Dawn Landes,
Administrator/Principal

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39TH ANNUAL HinkleFEST & Auction

**Friday & Saturday,
October 11 & 12, 2019**

**Come for
the Family
Adventures!**

Friday, October 11

- 4 pm** Family Fun Run
- 4-7 pm** Pork BBQ Dinner
- 6:30 pm** Live Auction: Buy Fresh, Buy Local Meats, Produce, Apiary & Dairy products Home & Garden
- 6:30 pm** Children's FEST: movie, balloon animals, cotton candy, and more

Saturday, October 12

- 9 am** Live Auction: Family Adventures at home & away Vacation & Adventure packages, Camping & Hunting, Handcrafts, Student Projects
- 10 am** Food Tent: Chicken BBQ, Apple Dumplings, Salads and more
- 10 am-2pm** Children's Fest: Carnival games, bounce house, petting zoo and more



Come enjoy food & fun for the whole family!

Science + Kindergarten = FUN... Both In and Out of the Classroom!

A favorite part of the day in kindergarten this year was science. Teachers began the year by explaining that a scientist is a person who asks questions and tries different ways to answer them. Kindergarteners were scientists in class as they raised butterflies, observed tadpoles, and planted seeds and bulbs. Mrs. Martin and Mrs. Lichty also encouraged students to be scientists at home and bring in interesting things to share with their classmates.

A fun part of science was when a kindergartener became "Scientist of the Day." This meant a student could bring in something scientific from home and orally explain it to the rest of the class. The Scientist of the Day got to wear a lab coat and become the teacher for

approximately 5-6 minutes. In addition to giving students practice speaking audibly, this activity encouraged them to share their thoughts and clarify information.

Some students brought in pets or interesting items from nature to talk about. Others did a simple science experiment. After each experiment, the class got to ask questions about the experiment and write about it in their journals.

One of Mrs. Martin's scientists soaked an egg in vinegar which then became like a rubber ball. Another tested if different kinds of candy bars would float. Mrs. Lichty's scientists experimented with bubbles, crystals, ice-cream in a bag and of course slime!



"Scientist of the Day" Brooklyn Weaver helps her class make predictions if the candy bars will sink or float.

Being a Scientist for the Day encouraged students to enjoy learning outside of the classroom as well as together in the classroom. It also helped to grow their confidence and curiosity about the wonderful world God created!

— **Erin Lichty and Marilyn Martin,**
Kindergarten Teachers

Venture Students Go Abroad

In March I had the privilege of going to Jamaica with three Juniors, Dominic Answer, Micah Weaver and Doug Becker, as well as HMS patrons Dexter and Patty Answer. We connected with a church community in Leichesterfield, which is in a rural part of Jamaica. During our time there we were immersed in Jamaican culture and gained an appreciation and a love for the people, the church, the food, and the beauty of the land.

Our service project was to help with the construction of an addition onto the church as well as an outdoor kitchen for a local widow. The students enjoyed leading worship during the Sunday morning worship service and connecting with the youth of the church. Surprisingly we also got to share about our faith in devotions at three local public schools!



I was impressed by the flexibility, hard work, and respect that the students demonstrated throughout the week.

An international trip is offered every 2 years for Juniors and Seniors as a requirement for graduation from our high school Venture Program. Our goal is to help expand the world views of our students and appreciation for the global

church by connecting them with our brothers and sisters in Christ outside the United States. An international trip is also another way we can stretch valuable learning beyond the classroom for HMS students!

— **Brian Denlinger,**
Bible & History Teacher

Extending the Learning Experience

This past year as our Academic Extension (AE) teacher, Mrs. Lichty provided enrichment opportunities for students through Academic Extension and STEM activities. AE students in grades 3-5 got to do lots of fun projects like make a Hinkletown-themed Monopoly game board which they sold at the auction, design mazes from Legos and other materials, try to get Hexbugs to navigate through mazes, and make model paddle boats inspired by DaVinci's design. AE students also did research projects on penguins and then created life-size penguins with their reports. Thanks to wood slices provided by Martin Tree Service, the AE students learned a lot about trees too!

The fourth graders got to participated in a day-long Snapology workshop with other gifted students from Lancaster County where they used Lego bricks to create famous works of art and learned about various artists and art forms.

Robotics is fun and teaches students logic. This past year students learned how to program Code-and-Go Mouse robots and third graders made robotic hands. On a field trip to Art of Recycle in Ephrata each student got to create a robot with working LED lights. A highlight for the students was the unit on Ozobots. Ozobots are pocket-sized coding robots that teach children the basics of coding and inspire creativity. HMS teachers even got to experience Ozobots at their April staff development day.

A fun way Mrs. Lichty helped to provide enrichment for younger students was through monthly STEM challenges. Beginning in November, students created a table made with construction paper which would hold their Thanksgiving meal (canned food). As the year went on, students made traps for the gingerbread man after reading variations of the Gingerbread Man story and designed snowflakes. In March students learned about wind by making different flyers which we tested in the courtyard.

A new way to extend the classroom and connect learning to life was through STEM bins. STEM bins contain simple materials like pool noodle slices, toothpicks or stacking cups that encourage students to use their creativity to design a variety of outcomes. Sometimes STEM bins helped students accomplish a goal such as building a lion's den for Daniel or designing a bridge that can hold blocks. Other times teachers could borrow STEM bins for use during free time, helping students develop their creativity and imagination while building problem-solving and fine motor skills.

— **Erin Lichty,**
Enrichment
Teacher



Scan here
and watch
the Academic
Extension
students code
Ozobots.



Mason Regitz and Easton
Wyniawskij program their ozobots.



Melody Hartman



Phyllis Horst Nofziger



Edna Fox



Celebrating Decades of Service ...10 ...20 ...30 Years!

Three long-standing HMS staff moved on to new ventures this year. While we are sad to see them go, we are deeply grateful for the ways they touched our students' lives and made HMS a special place to work.

ONE DECADE Melody Hartman, beloved by her middle and high school math students, was at HMS for 11 years. During those years, she also served for a time as Middle School Coordinator and was part of the planning taskforce for the high school Venture Program. We will miss Melody's steady and thoughtful presence as a colleague and teacher. We know Melody and her husband, Tom, will enjoy more time with their grandchildren!

TWO DECADES Phyllis Horst Nofziger wore more hats at HMS over the years than can be counted! To name a few: 2nd grade teacher, librarian, Director of Curriculum, Early Childhood Coordinator, advocate for our international volunteers... and she was the vision behind our Pre-K program, where her teaching planted many seeds. Phyllis started at HMS in 1985 and then took off about 10 years when her children were young. Altogether she taught at HMS for 23 years. We will miss Phyllis' love for her students and learning through creative play. We know part of Phyllis' heart remains in Africa where she grew up and we know she and her husband Harold still want to travel and serve wherever God sends them!

THREE DECADES Edna Fox's bus route has been fondly dubbed the "Terre Hill Express." We hear current students, HMS parents and other alum who had Edna as a bus driver during their school years, consistently express their appreciation for her caring approach and dependable driving. Edna and her husband, Mervin, were one of several husband and wife teams at HMS over the years who graciously worked together to cover one of our bus routes. Edna received her 30th year service award during the 2017-18 school year and will be missed on our driving team!

— *by Dawn Landes*



Conestoga River Study — *continued from page 1*

sensitive, somewhat sensitive, and tolerant. Then using a formula, they calculated the health of the stream. The more sensitive organisms that are found, the healthier the stream. The fourth graders determined that the section of the Conestoga River near our school is "somewhat" healthy.

— *Anette Raiser,*
4th Grade Teacher



Congratulations to our 2019 8th Grade Graduates!



l-r: Michael Vizcarrondo, Lynsi Ciferni, Samuel Coronado, Hannah King, Timmy Martin, Ceili Marquis, Nathanael Cassel, Sienna Smith, Alex Murillo, Jordis Patterson, Adrian Ropp, Anastasia Poplavskyy, Timothy Martin, Connie Snader, Connor Zook, Kathryn Zimmerman, Rylee Youndt, Arthur Hamilton, Carson Reiff