

# News From Our Classrooms #11



## MCHS Science Students Continue work with Paducah Gaseous Diffusion Plant

February, 2017

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Thirty-two Marshall County High School students had a chance to see science come to life Sept. 28 at the Paducah Gaseous Diffusion Plant (PGDP). The students, along with their teacher, Tina Marshall, toured the facility as part of a United States Department of Energy (DOE)-sponsored visit. They will be developing an Annual Site Environmental Report (ASER) Summary that documents the site's current environmental condition.

The students met with Jennifer Woodard, the DOE Paducah site lead, as well as several other technical experts from DOE and site contractors. They toured the control room and viewed the production buildings and various testing points/wells of the remediation processes. Following the tour, students learned about the surrounding habitats and wetlands from local experts for upcoming fieldwork to be used in the ASER Summary.



This is the fourth AP high school science class to work on the project. The creation of the ASER allows the students direct access to scientists, engineers, consulting firms and DOE government officials working the PGDP deactivation and decontamination. It gives the students a real-life project that not only contributes to their understanding of their local history, but provides invaluable experience for their academic and professional futures.



Students in Ms. Sandi Hall's Spanish class are working on their PBL project. Baily Wood, Chloe Kerrick, McKenzie Tack, and Audrey Grizzard are working on the original reinterpretation of famous Hispanic art.



## Marshall County Tech Center to Receive \$350,000

Stacey Bradley, director of MCTC, received word last week that our Tech Center will receive \$350,000 from the Work Force Investment Grant. This grant is a collaboration with Tech Centers in other school districts (Graves, Calloway, McCracken, and Hickman/Fulton,) and WKCTC. Mr. Bradley completed the grant process back in November. After several re-negotiations with Governor Bevin's office, the committee agreed to accept the \$350,000 that will assist programs at MCTC. The programs receiving the funds will be required to use the grant to improve technology and equipment utilized by their students. They will also receive \$20,000 toward the purchase of a mobile computer lab.

This collaboration is unprecedented and involved multiple district and local governmental agencies. Mary Anne Medlock from the Paducah Area Development District office in Graves County was also instrumental in helping secure the grant. There is currently no announcement regarding when the monies will begin filtering to our Marshall County Technical Center. Our facility which was built in 1973 will benefit greatly from this grant and help our students train with up-to-date equipment to prepare them for future jobs in our community. The state governor's office set the parameters for which programs could be included in the grant based on their projections for jobs within our local communities. Programs receiving funds could include Welding Technology, Construction Technology, Automotive Technology, Health Sciences, and IT.



Ms. Belinda Wright, Ms. Tina Mashall, and Mr. Jacob McGill recently took 13 students to Lexington to attend the KY Beta Convention. Students competed in various competitions and brought home some great awards! The Beta Build group have the opportunity to compete at Nationals in Orlando. Congratulations, Beta students!

Carson Wright (Special Talent and Beta Build)

Lance Dyke ( Beta Build and Math)

Ian Harrington ( Quiz Bowl )

Jase Baker( Quiz Bowl)

Jarrett Radcliffe (Quiz Bowl and English)

Nolan Yates (Quiz Bowl and Spanish)

Jackson Yates ( Science and Beta Build)

Sam Pinnegar ( French) 3<sup>rd</sup> Place

Emily Colley ( English)

Keeley Butler (Science)

Claire Edwards (Creative Writing)

Shelton Owen (Social Studies)

Cole Wyatt ( Math and Beta Build)



## Academic Team Wins 2nd Place in District Governor's Cup



The following MCHS students will be advancing to the Regional Governor's Cup in February at Graves County High School.

Alyssa Hubbard: 5th in Composition and 5th in Language Arts  
Conrad Cash: 1st in Social Studies and 4th in Arts & Humanities  
Dalton York: 4th in Social Studies  
Nolan Yates: 5th in Social Studies

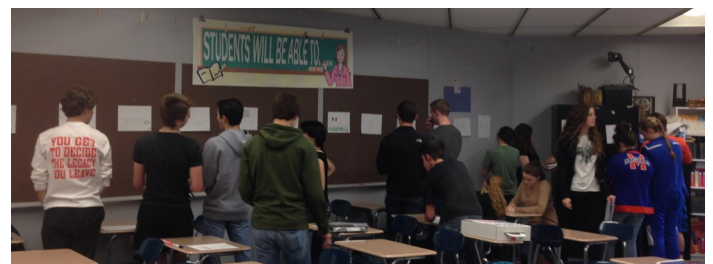
Jackson Chumbler: 2nd in Mathematics  
Jarrett Radcliffe: 2nd in Science  
Taylor Young: 3rd in Science  
Samyuth Pinnegar: 5th in Science



**Focus on Children 1st place**  
Genesis James, Elli English, Abby Henson



French I students hard at work  
in Ms. Jenny Darnall's class







Medicaid Nurse Aide class students, taught by Ms. Tami Hodge, are doing their clinical hours at Calvert City Convalescent Center. Students are assisting residents with bathing, meals, and other skills learned in the classroom..



MCHS Speech Team

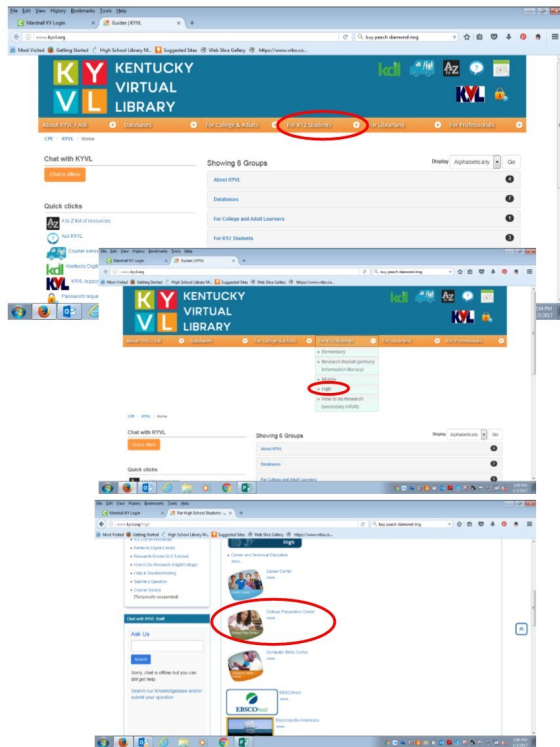
The Marshall County Speech Team will be competing at the Regional Tournament on February 4th. This tournament will determine which students get to compete at the state level in March.



They took part in a highly competitive tournament in Louisville, where Dalton York, Tessa Northcutt, and Claire Harmon all broke into the final round for their respective events. Dalton also took first place in Extemporaneous Speaking earlier this month. Mary Cox broke in four events in a single day at both the Murray High and Paducah Tilghman Invitational tournaments. The Improv team of Cameron King and Tessa Northcutt has been sweeping tournaments as well, while up and coming first year members of the team Katie Miller and Ethan Delaney have broken into final rounds for their events throughout the season. Way to go, Speech Team!!!

# A Trip to Colonial America

Ms. Rebecca Sealock, Aubrie Markland, CJ Johnson, Cori Hack, Conor Washburn, Kelsey Littrell, Kaden Chiles, Anastasia Shaverina, Andrew Phillips, and Marley Goheen took an all-expense paid trip to Colonial Williamsburg, Monticello, Mt. Vernon, Washington D.C., Baltimore, Philadelphia, and Gettysburg last month to engage with colonial history and the founding of the United States . They were selected based on their academic achievement, leadership potential, and completion of a competitive essay. Congratulations, students!



## FREE ACT PREP ONLINE!!

- Go to [www.kyvl.org](http://www.kyvl.org)
- (KYVL site **username:marshallsd2** **password:redrum16** This is for home use only. You won't need to login to this website at school)
- Click on **FOR K12 STUDENTS**
- Click on **HIGH**
- Click on **COLLEGE PREP CENTER**
- Register** at the top of the page using your school email address : (**first.last@stu.marshall.kyschools.us**) and your computer password.
- Click **PREPARE FOR YOUR ACT TEST**



See Mrs. Burkeen In the Library If you Have Questions



## Marshall County High School to Incorporate 3 Academies for the 2017-2018 School Year

Next school year 3 Academies will be bringing many changes to MCHS.

### CAREER ACADEMY

The Career Academy will focus on students taking classes in autobody, welding, carpentry, and welding at the MCHS Tech Center. This academy is for juniors and seniors only. Students will be able to take their Math and English classes in the morning both with a teacher and online, with some flexibility so that students can concentrate on their career area in the afternoon. These afternoons may include shadowing, internships, project-based assessments, co-ops, apprenticeships, etc.

Admission to the Career Academy may be by teacher appointment, interview and parent contract. To attend the academy, students must meet all graduation requirements and pass their Work Keys and obtain either an Industry Certificate or pass their KOSSA test.

Teachers in the Career Academy will be William York, Mike Dotson, Amy Cathey, Shane Darnell, Steve Freeman, Nathan Bazzell, and E'Lesa Adams.

### QUEST ACADEMY

The Quest Academy will start with 120-150 9th graders and will add students each year. It will focus on interdisciplinary seminars that show connections across all disciplines. Students will choose areas of focus based on career goals and interests. It will focus on experiential learning, project-based learning, and exploration.

In the junior year, students will begin internships and shadowing related to their career interests. The senior year will be a capstone project that students will have worked on during all years in the academy.

Students will still be allowed to come out of the academy to take electives, AP classes, etc. Teachers in the Quest Academy are Johnny Jones, Evelyn Conley, Erin Mathis, Craig Morris, Kelly Weaver, and Chase Buchanan. The link to their website is: <https://sites.google.com/marshall.kyschools.us/questacademy/home>

### LEGACY ACADEMY

The Legacy Academy is what we would think of as a traditional high school—only with several added opportunities for dual credit, online classes, etc. As of this year, Governor Bevin announced that the state of Kentucky is funding 1 college class (3 hours) for juniors and 2 college classes (6 hours) for seniors.

In the Legacy Academy, students may be allowed to leave MCHS campus to take classes at WKCTC or Murray State. For students that do not want to leave campus, we are offering online classes through both WKCTC and MSU.

## More Project-Based Learning at MCHS



Lily Baker, Hannah Perry, Griffen Darnell, Tegan Stringer, and Tanner Puckett work in Ms. Chelsea Neale's Geometry class to prepare Valentine Cards using Geometry shapes for the children at St. Jude's Hospital in Memphis.



In the cooperative learning activity in Ms. Jordan Gilland's Biology class, students were organized into small groups and instructed to build a cell model out of edibles. Together, they selected different candies to symbolize cell organelles and constructed an accurate representation of a plant or animal cell. Each group had to justify their choices by describing how the candy items chosen represent the structure and function of the actual organelles. In the spirit of competition, the models were judged on quality and accuracy by another science teacher. The winning group was awarded a chocolate "trophy fish" and bonus points towards the end of unit test. Students pictured on the left are Jadelynn Henley, Brodey Jones, and Kaylee Henson. On the right are Chase Chambers and Tony Wecker.





Jared Mensch and Abby Sams at the National Restaurant Association Gala.

In January, Ms. Amy Cathey and students, Jared Mensch and Abby Sams, travelled to Louisville's Crowne Plaza Hotel to participate in the National Restaurant Association Gala. Seven schools in Kentucky participated in the ProStart program and were asked to bring outstanding students to the event to help prepare food for the gala. Students worked with the staff at the Crowne Plaza to prepare and serve appetizers to the executive chefs and head of food corporations that attended the event. This gave the students the opportunity to showcase their talents to possible future employers. Follow our Culinary program on Facebook at MCHS Culinary & Foods/Nutrition.



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Cori Hack puts the final touches on her project as Natalie Boward and Bre McPherson critique Chandler Fulton's Greek ship in Ms. Kim McFarlen's 9th grade English class. After reading *The Odyssey*, students composed Greek Gods' Books. The projects included essays, creative writing, letter writing, poetry, and illustrations. The books are being bound and will be judged by outside sources.





These four Jazz Band members were chosen to participate in the KMEA All District Jazz Band which will participate in the District Jazz Festival in March.

Congratulations to Gavin Jones, Alto Sax; Austen Meyer, Bass Trombone; Conrad Cash, Trombone; and Dylan Freeman, Bass Guitar.

Congrats to following students for making the All District Concert Band:

Allison Kirk - 2nd chair clarinet  
Emilie Shemwell- 7th chair clarinet  
Shelby Parks- 15th chair clarinet  
Emma Dittman- 17th chair clarinet  
Tory Driskill- 1st chair French horn  
Gracie Harrington- 4th chair French horn

Jarred Trullinger - 9th chair trumpet  
Caleb Ferguson- 10th chair trumpet  
Conrad Cash- 2nd chair trombone  
Shelby Starks- 4th chair trombone  
Dane Howell- 6th chair trombone  
Austen Meyer- 1st chair tuba

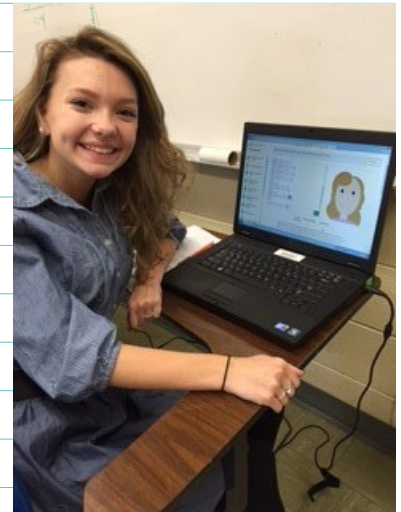
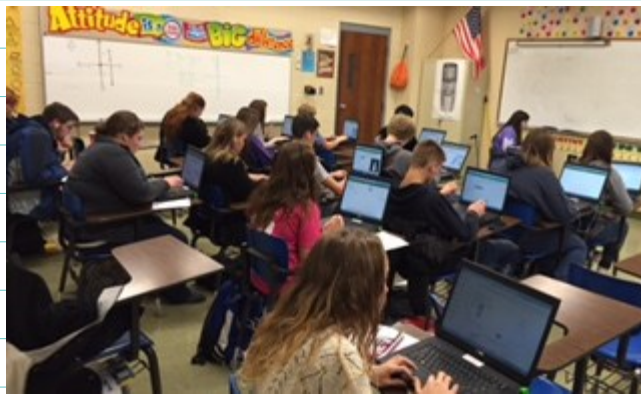
Several others are alternates:

Natalie Miller- 1st alternate tenor sax  
Madison Culp- 1st alternate trumpet  
Dylan Freeman- 1st alternate tuba

Congratulations to all of these students for representing MCHS!!



Star Bank students shop at our local Walmart to support the Toys for Kids program in Marshall County. The money raised from the annual Powder Puff football game, student donations, and donations from local businesses was used to sponsor 12 children. Star Bank students pictured are Garrett Howell, Jonathan Case, Skyler Sharp, Blaine Bizzell, Dylan Bobo, and Quinn Eaton.



Finished Code Project  
by Taryn Thompson

In December, Ms. Linette Austin’s classes participated in “An Hour of Code” through Khan Academy. [www.khanacademy.org](http://www.khanacademy.org) This project helped them see connections between algebra and coding. At the end, they choose a final coding project which is shared globally online and in/outside her classroom. Several high schools across the US participated in this project.

Ellie English  
works on her code.

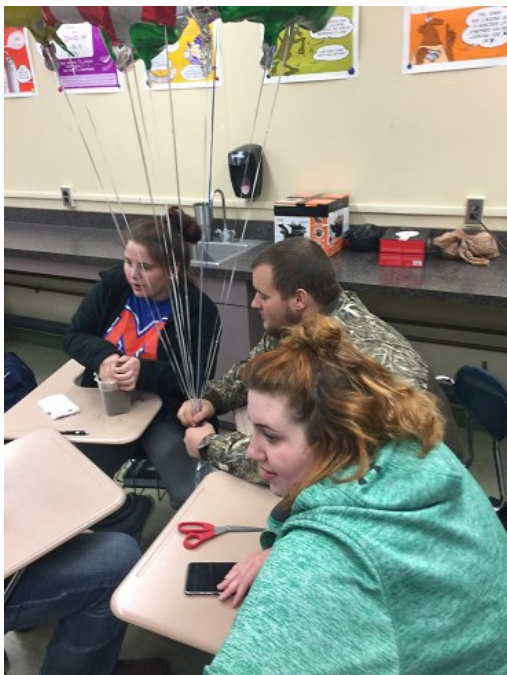






A HUGE SHOUT OUT TO THE STUDENTS THAT ATTENDED KYA with 2,000 OTHER KENTUCKY STUDENTS. THEY CAME HOME WITH THEIR SECOND "DELEGATION OF EXCELLENCE" AWARD.

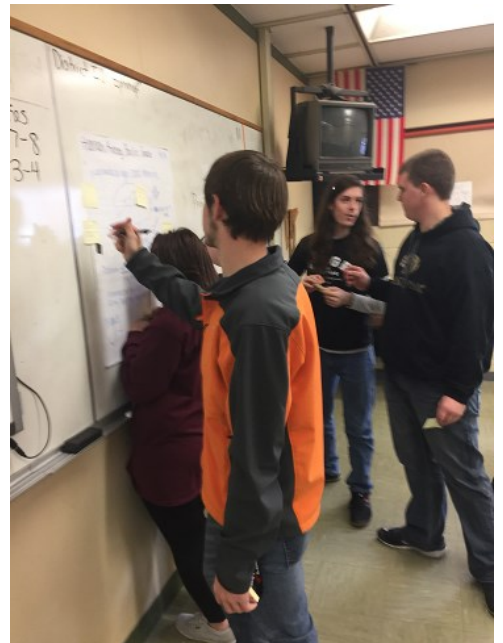
Shelton Owen was "Outstanding Delegate" for our delegation. Both of our legislative bills PASSED the HOUSE and the SENATE. One at the Bluegrass level (Kat Howard, Alec Jones, and Klein Johnson were sponsors) and the other at the Commonwealth level (Shelton Owen and Claire Edwards). Our Judicial team was dynamite and did a great job ranking 4<sup>th</sup> out of 16 teams overall on their first time entering the program. Carly McAlpin, Jackson Yates, and Dalton York were our team members. Dalton York was selected as one of six Outstanding Advocates out of the 49 students that participated in the Judicial program. Our team was on the winning side and received the Judicial Showcase Winner. Dalton York and Claire Harmon had special recognition from Inspire Kentucky for their voter registration drive before the election and will receive the Georgia Davis Powers Award in the spring.



Students in Mr. Jacob McGill's classes were challenged to create a container that would protect an egg when dropped from 5, 10, and 15 feet. The only rules were they could not use peanut butter containers and flying toys as part of their design.

Left—Madison Hega, Jonathan Byrd, and Madeline Griggs work on their project.

Right—Travis Watkins, Austin Wilson, and Hayden Howard critique designs.





## MCHS Archers Compete at Regionals

The MCHS Archery Team placed 3rd in Regionals with a score of 3306. This qualifies them for the state shoot at the end of March. Congratulations to members of our archery team.



Students in Ms. Stephanie Fisk's Geometry classes learned about ancient art and the role that congruent triangles played in it. They used their knowledge to create Origami Cranes to decorate their Christmas tree.



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Thanks to all the Program Review teachers at MCHS for their contributions to the newsletter. Parents, if there is any particular program that you would like to see highlighted, please contact Debbie Bushart, MCHS Curriculum Coach. 270-527-1453

Go MARSHALS

Ms. Kim Phelps and her students are video conferencing with two different classes in Morocco. They have been participating in a project called Global Nomads Group which partners American classes with students in countries in which they would likely not study abroad.

