



From  
the  
Nest

HHS  
Nighthawk



# Our Mission

The Hanover Public School District is committed to excellence in education by nurturing, challenging, and inspiring all students to achieve their full potential and to become productive citizens in a global community.

## Leading The Way!

### A Message from Superintendent Dr. John A. Scola

The Hanover Public School District continues to "Lead the Way" in transforming the educational landscape by providing all students access to emerging technologies relevant to their future success upon graduation. This continuous transformation spans all grades, K-12. The highlight of this technological revolution is the opening of the STEAM Academy, a new and innovative program for talented HHS students with an interest in the fields of Science, Technology, Engineering, Art and Mathematics. The Academy



includes Entertainment Technology, Design and Engineering, Robotics, Biotechnology, Music Technology and Virtual Reality.

The initiation of the STEAM academy would not have been possible without the generous monetary contribution of the Hanover Shoe Farms Foundation working in cooperation with the Hanover Foundation for Excellence in Education. If you have any interest in making a donation to the 501 (c)(3) Foundation, please contact Troy Wentz, Business Manager, 717.630.4602.

## The STEAM ACADEMY Becomes a Reality



Hanover High School is proud to offer a STEAM Academy in the 2016-2017 school year. The STEAM Academy is our newest endeavor which offers cutting edge courses for students seeking instruction in Science, Technology, Engineering, Art, and Mathematics. Courses offered through the STEAM Academy are rigorous electives that require strong work habits and a commitment to learning. Students enrolled in STEAM Academy courses receive an individualized, Project-Based Learning experience supported by the



A student works in our design and engineering courses

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# Kindergarten Registration

Hanover Public School District is preparing for incoming kindergarten students for the 2016-2017 school year! **HPSD offers full day kindergarten and bus transportation for all students.** Kindergarten Registration will occur at each of the District's elementary schools by appointment on **Wednesday, March 16, 2016, from 8 AM - 3:30 PM.** Parents should bring the following to registration: Parent identification, proof of



residency, the child's birth certificate, immunization records, and the child for screening purposes. We are excited to offer our students access to the latest technology, art, music, physical education, library, Spanish instruction as well as the services of certified nurses and counselors. Start your child's educational journey at Hanover Public School District. Please call **717.637.9000** and ask about Kindergarten Registration!

## Zoologists Virtually Visit

Students in Mr. Suter's Zoology class were given a not-so-simple assignment: Find an expert in the field and bring him or her to high school. Students searched the Internet for experts in various scientific fields they found to be interesting. They then used social media (YouTube, Twitter, Facebook, etc.) to research what the experts were posting about their area of interest. After researching the experts, Hanover students composed an e-mail to invite the guest to speak with their class utilizing the presentation studio in the ILC. This way students were able to meet with the expert "in person" via video conferencing. Students were able to listen, ask questions, and have a dialogue with these experts during class time. The accompanying photo shows our students conferencing with Marcy Mendelson, a cheetah expert who spoke to our students about cheetah conservation efforts.



## Mark Your Calendars!

Jekyll & Hyde The Gothic Musical Thriller is coming to the Hanover High stage **April 8th through 10th.** The epic struggle between good and evil comes to life on stage in this show based on the classic story by Robert Louis Stevenson. This year marks the 25th anniversary of this electrifying production.

Tickets can now be purchased at the high school office, between 7:30 AM - 3:30 PM or at the door one hour prior to curtain times. Cost in advance is \$7 for students, \$8 for adults. Cost at the door will be \$2 more. Please call **717.637.9000** for more information.

## Interactive Tech: A New Way to Learn



Look out Alex Trebek, Washington Elementary students may be coming your way. In Miss Schlechter's first grade Washington classroom they recently utilized technology to a whole new level.

Through the interactive computer-based program called Kahoot, Miss Schlechter's class became engaged using their chromebooks by responding to various questions.

The game began when the teacher clicked on a computer-based question. It was then displayed on each child's computer and students had 55 seconds to answer from a choice of 4 displayed answers. The teacher read the question aloud and when all children within the room completed the answer, it calculated which computers were correct and displayed the correct answers onto the main screen in the room. The teacher then reviewed the question aloud, responded to the data provided to indicate how many children knew the correct answer and provide a short review of the correct answer. The game became very competitive and the children were very excited to play and reinforce their skills of learning the ones, tens, and hundreds place value system. When I interviewed one student about her thoughts after the lesson she replied, "I really liked playing this interactive computer game. It was really, really, fun and cool. It also made me smarter in math than before. It was really awesome and I like learning that way."

Miss Schlechter was able to retrieve the data from the students' gameplay today. She was also able to begin making instructional changes within her classroom to assist children that needed help in certain areas of the Kahoot gameplay. This interactive game was valuable to the students to hone their math skills but it is also valuable for teachers to utilize instructional data.

# Greenfish Brings Virtual Reality to HPSD

Hanover Public School District students will be leading the way this fall with the integration of Virtual Reality into key areas of our curriculum.



Using a combination of high density computer screens and motion sensor tracking, the viewer is transported to a virtual world where he or she can look in any direction and experience any possible location. This new media changes the way that videos are watched; moving them from director led to viewer led.

Hanover Public School District is proud to announce a partnership with Greenfish Labs a leader in Virtual Reality (VR) media creation based in Lancaster, PA. This partnership will result in the creation of a High School course that is focused around VR content creation. Our students will create immersive videos and environments for use in the school and beyond.

In the elementary schools and at the middle school students will make use of Google Cardboard, a VR device using a smartphone to experience many of the same environments as what will happen in the High School.

## Advanced Placement Course Offerings

Hanover High School has expanded the Advanced Placement offerings to 14 courses.

- AP 2D Design
- AP Drawing
- AP Music Theory
- AP English Language & Composition
- AP English Literature & Composition
- AP Calculus
- AP Statistics
- AP Biology
- AP Chemistry
- AP Physics
- AP European History
- AP U.S. History
- AP Spanish
- AP French



## Continued From Front Cover

intense use of state-of-the-art technology as a learning tool. Students also focus on developing the critical 21st Century workplace skills known as the 4 C's: Collaboration, Creativity, Communication and Critical Thinking.

The STEAM Academy will offer coursework in the topics of Entertainment Technology, Robotics, Design & Engineering, Biotechnology, and Music Technology.



## Hanover High Gets "In the Game"

Hanover High School is proud to offer students sequences of courses in Entertainment Technology using the Zulama program which will allow art, design, and technology-oriented students the opportunity to work collaboratively to produce their own video games. The curriculum, developed by educators from Carnegie Mellon University, provides high school students the opportunity, through hands-on learning, to develop portfolios and skills needed to establish careers in a digital world. Students are prepared to pursue careers not only in the Gaming Industry, but also a wide variety of fields that combine creativity with STEAM. Courses include hybrid learning, project-based activities, class discussions and authentic assessment. Nine courses will be introduced over the next three years.

## Beyond Robots

Robotics is a collaborative, lab-based course that implements a hands-on approach to introduce concepts of robotics, focusing on the construction and programming of autonomous mobile robots. Course information will be tied to lab experiments

using the Vex Robotics platform. Students will work in teams to build and test increasingly more complex mobile robots and complete a variety of robot construction and programming activities within the confines of these teams. The course will culminate in an end-of-course robotics competition.

## Not Your Grandparent's Engineering Class

High School engineering classes in the 21st century encompass so much more than just drafting, and go beyond learning CADD (Computer Aided Drawing & Design). In Hanover's Design and Engineering courses, students will participate in competitive hands-on design and building activities. Usage of the Internet for project research and exploration will be used with a strong emphasis on creativity and problem solving using a design process model to guide learning. Utilization of CADD will be used throughout the course including advanced exposure to 3-D Modeling using Inventor software. Design, construction and assembly of prototype models will be generated using our own 3D printers and/or CNC routers, and include many shop processes for creating projects.

*Thank \* You! \**

The following donations were received for the Hanover Foundation for Excellence in Education in the amount of \$1000 or more:

- BB&T
- Fulton Bank
- Russell Williams (Hanover Shoe Farms Foundations)
- The York Water Company

On behalf of our students, thank you for your contributions!

## Art & Technology Come Together



In the art room at the middle school students are incorporating technology in a very unique way! They start the course by designing a stamp using the web application [tinkercad.com](http://tinkercad.com). Tinkercad is a tool used to create 3D designs. The stamp design is then 3D printed in the Integrative Learning Center while students create a pinch pot using clay. Then students plan out their surface design by stamping their clay pots with the 3D printed stamps and hand-drawing designs with stunning results. The pots are then designed, dried, and go through the firing process. Students have enjoyed combining their love of art with our new 3D printing technology!

## Technology at Clearview



The district has made some major changes over the last several years. In particular, we have made some major strides in terms of technology. HPSD is now, unquestionably, the educational leader in technology in the area, if not in the state. It is very impressive to provide the amount of technology at the elementary level that we provide. At the elementary level, all students in grades three and four are provided chromebooks, every single teacher has a projector in their room that acts like a Smartboard. We have numerous online programs to help the students academically such as Study Island, Front Row and System 44. The teachers use Remind 101 to help communicate with parents. They use Class Dojo to help with behavior and classroom management and the district website has been updated to make communication with parents and the community much easier. Finally, the elementary schools are going to be receiving 3D printers and Nighthawk Studios in the very near future.

# Athletic Hall of Fame

## Inaugural Class Induction

The Hanover Athletic Booster Club, the Alumni Association of Hanover and Eichelberger High Schools, and the Hanover Public School District partnered to create the Hanover Athletic Hall of Fame honoring athletes, teams, coaches and contributors from both Hanover and Eichelberger High Schools for their athletic accomplishments. A new class of inductees will be inducted every two years.

After a nomination process that was open to the community, a selection committee made of current and former coaches, Booster Club and Alumni Association representatives, and community members selected the inaugural



class of ten very worthy inductees who were enshrined during a ceremony preceding the Varsity Boys Basketball game on December 21, 2015. Plaques honoring each inductee are permanently displayed on the Hall of Fame Wall outside the high school gym.

### Class of 2015-2016

- Merle Miller '28 - Football, Basketball and Track and Field
- Albert "Bud" Musselman '45 - Football, Basketball, Track and Wrestling
- 1947 Football Team - 1st undefeated and untied team in school history; out scored opponents 270-48
- Wilbur Gobrecht '48 - Football, Basketball and Track and Field
- H.D. Sheppard, Lawrence B. Sheppard and Clinton N. Myers - Sheppard & Myers Athletic Field
- Bob Forry '57 - Football, Basketball, Baseball and Track and Field
- Dave Rodman '58 - Football and Track and Field
- Jim Heilman '60 - Football, Basketball, Baseball and Track
- Steve Padjen - Winningest football coach in school history; 12 years as Head Track and Field Coach
- Betsy Witman '83 - Girls' Basketball scoring and rebound leader; School record in Triple Jump and High Jump

## Nighthawk Athletic Excellence!

Caleb Garland is acknowledged by many throughout the state for his tough wrestling style that has led to many career milestones this season. Caleb's record thus far is 31-4 after his first place finish at the Section Championships on February 20th. All wrestlers strive to reach 100 wins in their career but Caleb's total now stands at 130 which places him 6th all-time in Hanover's storied history. Caleb will look to add to his career total in his final few events which include the District, Regional, and State Tournament!

Kyle Krout has been known as a force on the basketball court for his entire career. As his career came to a close, he gave fans lasting memories as the basketball team qualified once again for



Caleb Garland and Kyle Krout

the District Playoffs. Most notably Kyle earned his 1,000th point on Senior Night by sinking a 3-point shot late in the game that brought the crowd to its feet. Kyle finished off his career with 1,061 career points and was named the Rotary Male Athlete of the Year for all of his accomplishments!



*First Grade students use computers as part of their reading center rotations.*

## **Incorporating Tech at Hanover Street**

Students at Hanover Street are eager to explore ways that technology increases their learning, motivation, and skill practice. Students in all grade levels are accessing technology in ways many of them relate to as simply normal classroom routines. The district curriculum for Language Arts and Mathematics includes on-line components used in a variety of ways. Instruction utilizes interactive white boards that allow for large screen viewing and student interaction. White board pens and remote keyboards have completely replaced the chalkboards and chalk most of us remember from elementary school.

Teachers are incorporating technology to strengthen and stretch learning as well as create individualized skill practice at student specific levels to reinforce skills and promote success.

Teachers at Hanover Street are committed to continually finding the best applications and practices for their students. Hanover Street teachers have become Front Row Ambassadors, providing ongoing feedback and making suggestions to the developers. Teachers are invited to attend and present at technology trade shows such as PETE & C (The Pennsylvania Educational Technology Expo and Conference) to share their knowledge. Still more participate in Summer Institutes, are nominated to represent the school at the Keystone Technology Innovator Program which identifies, invites and supports exemplary educators into a distinct and dynamic learning community. Keystones advocate the use of technology as a transformative tool to nurture the intellect, innovation, and imagination of students.

Students love the technology components! Many can be accessed from home as well. From the district website you can connect to Moodle, Study Island, Reading Eggs, and Front Row. Talk to our students about Sumdog and watch their faces light up as they tell you about how good they are at what they see as a game but requires the correct response to a math skill for each move they make.



## **Curriculum, Instruction, & Assessment News**

At Hanover Public School District we are committed to Excellence in Education. We strive to provide our students with the best curriculum, instruction and assessments to impact their academic success.

### **Best In State!**

Mr. Jay Czap, Mrs. Mandy Morgret, and Mrs. Ashley Longenberger utilized a grant to travel to Houston, Texas in January to represent Clearview Elementary's teachers, students and all staff at the Distinguished Title 1 School Conference. Clearview was recently named Pennsylvania's Distinguished Title 1 School for Exceptional Student Performance, the only school in the state to earn this honor.



*Fourth Grade Teacher Mrs. Ashely Longenberger, Principal Jay Czap, and Fourth Grade Teacher Mandy Morgret represented Clearview Elementary at the 2016 National Conference in Houston, Texas.*

Reading Specialist Michele Becker and Elementary Spanish Teacher Shaina Castillo, and Assistant to Superintendent Dr. Susan Seiple presented instructional strategies at this year's Pennsylvania Improving Title 1 School Conference in Pittsburgh.

### **Curriculum**

HPSD adopted Everyday Math 4 and Glencoe Mathematics (both McGraw-Hill Publishers) for K-12 implementation for the 2015-2016 school year. Systemic Professional development occurred last Spring and this Fall, and future Professional Development for teachers has been planned. The new resources better align to the PA Standards for mathematics and our HPSD curriculum.

The HPSD Curriculum Council, chaired by Dr. Susan Seiple, is made up of teacher and building leaders. This committee meets quarterly to share decision-making and communication for all things curricular. The District would like to recognize Mr. Reagan Bitler and Mr. Gene Kraus for presenting at previous council meetings in the area of technology integration in content areas.

Superintendent Dr. John Scola recently worked with the administrative team to formalize processes for ensuring our highest-performing students are taking advantage of our most rigorous courses. Counselors and principals developed templates for 5 year personalized student learning plans to help all students select courses to best prepare them for their college and career goals. The district now offers **14 Advanced Placement courses** to allow students to take the prerequisite courses needed to gain admittance into the most selective colleges in the nation.

### **Instruction**

This year HPSD has been focusing on writing.

Most teachers have attended 3 Collins Writing Trainings in order to prepare to teach students to write daily, and to plan focused correction areas to improve conventions, content and style. The January 18th Collins Writing Sessions offered by Dr. John Collins and Mrs. Joan Smith, were among the highest rated professional development sessions offered in the last few years at HPSD.

Clearview Elementary teacher, Mrs. Ashley Longenberger was selected by the Lincoln Intermediate Unit 12 to receive training in Item scoring of PSSA assessments. Mrs. Longenberger then re-delivered this workshop to educators throughout the county as well as to the fourth grade teachers at HPSD.

### **Assessment**

As of January 20, 2016, the Senate unanimously concurred on the House amendments to SB 880, which delays Keystone Exams as a graduation requirement for two years. This means that students do not need to pass the Keystone or complete a Project Based Assessment to graduate. However, Pennsylvania high schools are still required to administer the high stakes exams which largely impact a school's SPP score.

PSSA testing will be conducted from April 11-May 6th for students in grades 3-8. Students will be tested on PA Core standards in the area of English Language Arts (including a writing component), Mathematics, and Science (grades 4 and 8). Parents are reminded that educational trips will not be approved during state testing windows.

Free SAT preparations courses are currently being offered at Hanover High School, taught by Mrs. Kate Walton and Mrs. Betsy Beal. Students receive test preparation tips as well as diagnostic testing and targeted online tutorials.

## DATES TO REMEMBER

March 14  
6 PM School Board Planning Mtg.

March 16  
Kindergarten Registration Day  
Act 80 Day: No School for Students

March 24-29  
District Holiday: No School for Students  
& Teachers

March 30  
6 PM School Board Mtg.

April 11  
6 PM School Board Planning Mtg.

April 25  
6 PM School Board Mtg.

May 9  
6 PM School Board Planning Mtg.

May 11  
Two Hour Delay

May 23  
6 PM School Board Mtg.

May 25  
Early Dismissal  
7 PM Campus Night

May 26  
Early Dismissal, LAST DAY OF SCHOOL  
7 PM Graduation



### Providing Free Books Monthly for Pre-K Children!

The goal of The Hanover Foundation for Excellence in Education, Inc. is to develop a partnership between local business leaders and the Hanover Public School District to allow our students to participate in innovative learning opportunities that align with and support current and future district initiatives, which may not be able to be implemented through local tax dollar revenue.

One of the implemented learning opportunities has been the Imagination Library. This program puts free books into the hands of district **children from birth to age 5** on a monthly basis. For more information on the Foundation or to register for the Imagination Library, contact Mrs. Lois Dubbs at 717.630.4644 or visit [www.hpsd.k12.pa.us/pages/Hanover\\_Foundation/](http://www.hpsd.k12.pa.us/pages/Hanover_Foundation/).

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## Hanover High School Alumni Association

The Alumni Association is comprised of representatives of graduation classes of the current Hanover High School and the Eichelberger High School. The primary purpose of the Alumni Association is to provide scholarships to graduating seniors each year.

Currently, the Association grants thousands of dollars in scholarships annually to individuals in the Hanover High School graduating class through our endowment, the Golden Scholarship Fund. Since 1988, the Association has granted \$116,000 in scholarships to graduating seniors.



To learn about the Golden Scholarship Endowment, annual and estate contributions, contact Phyllis Egger (EHS Class of 1961) at 717.632.0548. Or send contributions to **P.O. Box 620, Hanover, PA 17331**. Checks should be made

out to Hanover High School Alumni Association, Golden Scholarship Fund. To learn more about the Hanover High School Alumni Association, contact Sally Howe, Alumni Association President (EHS Class of 1966) at [slhowe@comcast.net](mailto:slhowe@comcast.net).

## Strike Gold With This Card!

The district offers a Gold Key Card to all district residents aged 60 years and older. This card will allow the Gold Key person free admission to district sponsored events including admissions at sporting events as well as one free pass to one performance for the fall play and spring musical. Also, the pass is honored by the South Western School District. It is a lifetime pass as long as you are a resident of Hanover Borough. Please contact Kathy Poist at 717-637-9000 for info.



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