



# North Penn School District Educational Foundation



2023-2024  
Funded Grants

## **A Note from the Trustees:**

For this year's grants, the North Penn School District Educational Foundation awarded 60 grants totaling over \$90,000. Grants like these not only enhance the curriculum, but provide a hands-on and innovative way for students to embrace and fully comprehend the lesson. When NPSD educators and staff apply for these grants, some think of how this experience will affect the student in the future. Science and technology grants allow students to understand theories at the next level of thinking. Other grants allow teachers to think about how this experience will benefit students socially and vocationally. We are sure that when you read through these grant descriptions, you will see how these experiences allow our students to develop into better students and citizens. Without you and your generosity, the NPSD students and staff would not have access to these amazing opportunities.

### **Aquaponics and Aquascape Freshwater Fish Tank** *North Penn High School, Madeline Knauss, Daniel Kreuger*

The new addition to the NPHS hallways features an aquascaped freshwater fish tank with lush plants and vibrant fish in a self-sustained ecosystem. Constructed by life science work study students, the tank is CO<sub>2</sub> infused and grown from tissue cultured plants. The tank serves as a resource for students and staff and inspires the next generation of aquatic scientists to note the importance of freshwater ecosystems and their potential for sustainable agriculture.



### **The Future is N.E.A.R. (Nanotechnology Education and Research)** *North Penn High School, Michael Boyer*

Students in the North Penn High School Engineering Academy senior capstone course, Engineering Design and Development, perform cutting-edge nanotechnology and engineering research in class. Students worked in collaborative research teams to develop solutions to global challenges in the environment, healthcare, transportation, and energy sectors. A final symposium of their research endeavors and findings was held in the auditorium at North Penn High School at the end of the school year.

### **Outdoor Sensory Safe Space - Knapp Elementary Community Courtyard Revitalization Project** *Knapp Elementary School, CP&E Task Force, Payton Stocklos, Kristen Stocklos*

This grant transformed the Knapp Elementary Courtyard into an Outdoor Sensory Safe Space. Weed barriers and new mulch were purchased and used to make the space maintenance-free. Additional greenery, flowers and seating were added to make the space a calm place for overstimulated children to relax and regain self-control. Knapp students and staff now have a safe quiet space outside to regulate emotions in nature. In addition, the installation and use of the Feelings and Emotions Board help non-verbal and shy students communicate their feelings without the need of verbal communication.

### **Embryology in the Classroom**

*Bridle Path, Gwyn-Nor, Inglewood, Knapp, General Nash, North Wales, Walton Farm, Melissa Walsh, Kimberly Detwiler, Sun Jeon, Katie Wiegand, Kurt Hinz*

This grant provided a 4-week program starting with a dozen fertile eggs which developed in the rental incubator. Children have a natural sense of curiosity about living things in the world around them. Building on this curiosity, gifted students at Walton Farm, Knapp, Gwyn Nor, North Wales, Bridle Path, Nash, & Inglewood developed an understanding of biology concepts through direct experience with living things, their life cycles, and their habitats, in particular, the chick embryo development from a fertile egg up through hatch. They understood the process of the developing embryo and observed the various stages of development. They witnessed first-hand the hatching of the chicks and cared for them in their first few days of life. Students evaluated our changing world and determined how the egg/chicken will change in the coming years, explaining the cause and effect of the adaptations.

## **6th Grade Field Trip to Camp America** Knapp Elementary School, *Jennifer Sicinski*

With this grant, 76 students at Knapp Elementary worked together through various team building exercises to solve problems while having fun at the Camp America field trip.

## **Sharing Excess North Penn Donation Drives** North Penn High School, *Derek Schneider, Hannah Salnaitis*

The Sharing Excess North Penn club at North Penn High School is a club dedicated to reducing food insecurity in the North Penn area. The grant helped fund their distribution drives. The drives provide free food, including produce, to anyone in the community in need. The events support the community and give back to end food insecurity in the North Penn area.

## **Reading Super Bowl** All elementary schools, NPHS, *Cheryl Neubert and Tracey Cliver*

The Reading Super Bowl is a district-wide event that has had over 80 North Penn football players go out to all 13 North Penn elementary schools. The student athletes serve as role models for literacy while reading to over 5,000 elementary school students. The day was filled with excitement from both sides as elementary and high school students joined together in celebration of reading!



## **K-4 BP Art Club** Bridle Path Elementary School, *Annemarie Carbo-Verrecchia and Jacob Hoffman*

30 young artists from BP K-4 Art Club partnered with senior residents of Hudson Estates in Montgomeryville. Students explored printmaking techniques to create beautiful winter holiday cards for a holiday card exchange. Residents of Hudson Estates were thrilled to receive these hand made works of art from our young artists and in return, Bridle Path artists enjoyed receiving cards from their art pals.

## **Yearbook/Photography Club** York Avenue Elementary School, *Samantha Roth, Hannah Gendron*

This grant purchased iPads for the Yearbook/Photography Club at York Avenue Elementary. Students grew in their photography skills by having access to this technology. They were able to take pictures of the students at York Avenue to celebrate the diverse school community and have their photos published in the yearbook. Students in this after-school club learned about the importance of teamwork as they studied photography and the process of making a yearbook from start to finish.

## **PA Trout in the Classroom** Gwynedd Square Elementary School, *Derek Fickert*

This grant provided students with hands-on experience to learn more about our watershed, conservation, ecosystems and adaptation of a natural resource in our region. Students helped to provide an experience that allows trout to be raised in the classroom and released in approved waterways in our area.

## **Spring Blossoms and Sunshine at Shady Brook Farms**

Oak Park Elementary School, *Geretha N. Billetz*

This grant provided 98 English learners from Oak Park Elementary School the hands-on learning opportunity to pick fruit or plant a seed at Shady Brook Farms. In addition, the children took part in a wagon ride, pedal Go-Karts, Bears Playground, a picnic lunch, and an animated show. Through this experience, students got to build on their science conceptualization, vocabulary, and background knowledge regarding nature while enjoying a day in the outdoors.

## **Books of Knowledge**

Gwyn-Nor Elementary School, *Collene Brown, Kimberly Morse*

This grant provided students the ability to build their knowledge of the topics connected to the 4th grade curriculum. The books purchased for each classroom included non-fiction books and literature. Topics were presented through a variety of picture books and novels. These texts provided additional opportunities for students to work on comprehension, vocabulary acquisition, and making connections among ideas and between texts with a focus on textual evidence.

## **Multi-School Monster Creation Project**

Walton Farm, Gwyn-Nor, Gwynedd Square, Pennbrook, Pennedale, Wydra-Gat, Moore, Ewanik, Bingley

Not so scary monsters! The 1st graders at Gwynedd Square and Gwyn-Nor designed and named monsters. The 9th graders of Pennedale and Pennbrook practiced their sewing skills and turned the monster drawings into plushies. The middle school students then shared their creations with their first grade counterparts. This grant allowed students to interact with different age groups across the district. It was an amazing activity that allowed for creativity and social emotional interactions.



## **Author Visit**

York Avenue Elementary School, *Hannah Gendron, Corey Leibowitz*

Each March at York Avenue Elementary, the whole school participates in reading a book together. The "One School One Book" novel this year was *A Boy Called Bat*. Each family received a copy of the book with a calendar. Students read at home with their families, or they listened to a teacher reading one of the chapters. At school, students answered trivia questions and completed cross-curricular activities within their classroom related to the book. Through this grant, York Avenue was able to provide a culmination of this family reading engagement activity by virtually hosting the author, Elana Arnold for all grade levels.

## **Walton Farm's Multilingual Library**

Walton Farm Elementary School, *Caitlin Manus, Liz Brobst*

Walton Farm Elementary School, through collaboration between the Library and English Language Departments, established a multilingual library. This multilingual library serves several purposes, such as promoting language acquisition, linguistic proficiency, and facilitating cultural understanding for all students in our school. This project enhances the teaching and learning experience for NPSD students by providing a diverse selection of books in various languages, ultimately promoting cultural proficient learning within our school community.

## **Empanada Cooking Class with the Owner of Empanada Mama**

*Pennfield Middle School, Jennifer Ainge & Diana Rodriguez*

This grant funded an Empanada Cooking Class hosted by Kendall Bajek who owns Empanada Mama in Doylestown, PA. The Spanish 1 & 2 classes at Pennfield Middle School got to experience making their own empanadas, learning about the history of this cuisine and what it is like to be an entrepreneur from a local business owner.

## **Vertical Spaces**

*Pennfield Middle School, Joann Samuel*

Students took charge of their own learning by using vertical spaces with magnetic coordinate grids to explore linear relations. Students engaged with problems collaboratively as they discussed slope, intercepts and intersections of lines.

## **Flash Photography - Lighting Workshop**

*North Penn High School, Joanne Carrick*

Professional photographer and NP Alum, Melissa Medlin Pappentick, spoke to the Digital Photo 1, 2, and AP Photo classes at North Penn HS about her career path specializing in portrait and wedding photography. For the Digital Photo 2 and AP Photo classes, she also conducted a flash photography workshop in which she demonstrated different artificial lighting techniques for effective and creative compositions. Students applied their knowledge and took photos using the techniques and creative ideas Melissa taught.



## **NPHS Coffeehouse: Crys Matthews Unplugged**

*North Penn High School, David Hall*

Renowned folk singer Crys Matthews came to NPHS with a message of diversity, equity, and inclusion. Matthews delivered a powerful message through music on human rights, including the intersectionality of being black and queer in a coffeehouse at North Penn High School. The event, organized by the Rainbow Alliance, has garnered substantial support from various allies. NPHS administration seized this opportunity to evaluate the creation of an ongoing lunchtime coffeehouse series, potentially welcoming musicians, poets, and diverse artists and speakers. Crys Matthews engaged with students during each lunch period, offering 30-minute musical performances interwoven with engaging discussions. Students opted in based on their interest and availability. This event was a unique and enlightening experience for the NPHS community, made possible by a generous grant from the North Penn Educational Foundation.

## **Environmental Science Exploration Kits**

*North Penn High School, Patrick Dougherty & John Collier*

Students in environmental science classes at NPHS had the opportunity with some new hands-on learning! With these lab kits, students learned to use dichotomous keys to identify unknown species, as well as learn how scientists test for specific chemicals to determine sources of illness and contamination!

## **THE NPSD EDUCATIONAL FOUNDATION & THE NP ALUMNI ASSOCIATION: A PARTNERSHIP WITH THE PAST FOR THE FUTURE**

In 2012, the NPSD Educational Foundation, in conjunction with NPSD administration launched the North Penn Alumni Association as a committee of the Foundation. The association's mission is to encourage networking and communication among North Penn School District alumni and to help maintain and enhance the legacy of North Penn schools for future generations. We hope to see more graduates join us for NPSD and Foundation events, attend reunions, and stay informed on the happenings of the district. For more information, visit [northpennalumni.org](http://northpennalumni.org).

## **A Great Heart**

*Inglewood Elementary School, Terri Klein, Brynn Hoffman, Meghan Volker*

Heart models supplemented and enhanced Module 1 of the 4th grade Wit and Wisdom curriculum. These models helped students visualize the structure and function of the heart and its role in the circulatory system. Origami hearts allowed the students to create their own hearts and add to their understanding of what makes "A Great Heart" in the literal sense.

## **Modern Pop Art Experience for Schools In-Person Program with Artist Michael Albert**

*Pennfield Middle School, Vanessa Ebert*

Collage artist Michael Albert came to Pennfield Middle School to provide an artist talk where he introduced his art and held a Q&A. Michael Albert led the 57 Art major students in a group project. They planned a group collage where an entire class will all work together on a larger scale piece. The end project can become a permanent fixture in the school for years to come allowing the students to leave their impression on the school after they leave.

## **Nash Mindfulness Maze**

*General Nash Elementary School, Michael Coulter*

The Nash Mindfulness Maze is a unique outdoor painted labyrinth designed to provide students in Kindergarten to 6th grade, staff, and the community with an outdoor area for mindfulness practice and walks. Located within the school grounds, this labyrinth serves as a tool to cultivate essential life skills, including stress management, self-reflection, and emotional intelligence.

## **Unified Track Jackets**

*North Penn High School, Susan Ahart, Kerry Byrnes, Jimmy Groff*

North Penn High School's Unified Bocce & Track and Field teams work to include all students in competition. In doing so, it is important that all athletes on the team have the same uniforms available to them that are available to others. This grant has helped to make that possible.



## **Electroforming: Electrochemistry in Action and "Living Art"**

*North Penn High School, Patrick Dougherty*

The process of electroforming uses an electric current to deposit positively charged metal ions (from the anode) onto a negatively charged object (the cathode). In this process, an organic (non-conductive object) is coated in a conductive paint and connected to the cathode of the power source, this caused the positively-charged metallic ions to be attracted to it. Since copper was the source of the metallic ions and was electro-deposited on the object, students also increased the rate of and observed the patina chemical reaction that occurs with copper. This can benefit any high school chemistry students that learn about electrolytic cells, and they can see the process in person.

## **Multi-Sensory Math Manipulatives for First Grade Classroom**

*Walton Farm Elementary School, Kate Maloney*

This grant provided 22 first grade classrooms with hands-on math manipulatives, including large dice, a jumping number line, and flexible seating. By incorporating these resources, students were offered a multi-sensory and interactive approach to learning mathematics. This grant enabled staff to create an engaging and inclusive learning environment, ensuring that first graders develop a strong foundation in math and are on a path to success.

## **Creating a More Inclusive Classroom** Pennbrook Middle School, *Andrew Hollstein*

This grant provided access to the Technology and Engineering Curriculum for all students regardless of abilities. By acquiring equipment that helps students access STEM based content, students of all abilities and interests are able to experience real world problem solving challenges. Through these challenges, students are able to develop real world problem solving skills.

### **Butterflies in the Classroom**

North Penn High School, *John Collier & Patrick Dougherty*

This grant purchased 2 butterfly habitats and caterpillars to allow our environmental science classes at NPHS observe the process of metamorphosis. The hands-on aspect of actually raising caterpillars engaged students with the environmental science concepts related to adaptations, pollination, and symbiotic relationships.



### **Coding with Sphero Robotics**

North Penn High School, *Nicasio Lorenzo*

This grant allowed for the further expansion of the Sphero RvR robots to be used in both Engineering and Computer Science classrooms. By adding the Microbits and Raspberry Pis to the Spheros, students were able to code the robots in Python and JavaScript and have the robots complete various tasks. The addition of these materials furthered coding experience for the students and produced a cross curricular connection between Computer Science and Engineering.

### **Cash Registers for Hands on Decimal Experience**

North Wales Elementary School, *Sienna Jimenez*

This project enhanced students' learning by creating an authentic learning environment. It has given all students the best opportunity of understanding and relating to the material. By utilizing toy cash registers, these served as a supplemental source to the iReady curriculum and created more engagement during decimal lessons.

### **Bringing CRISPR to the Classroom**

North Penn High School, *Nathan Snyder*

North Penn HS AP biology students had the opportunity to use cutting edge science when they employed CRISPR technology in the classroom. CRISPR is a Nobel Prize winning discovery that gives humans the ability to edit genomes. Over 100 NPHS students modified the genome of Escherichia coli, confirmed their results by observing a phenotype change in the organism, then confirmed their results chemically by using PCR and gel electrophoresis technology.

### **All Are Welcome at Hatfield!**

Hatfield Elementary School, *Monisha Mukerji, Andrea Swan, Ashley Pope, Rebecca Bernard, Samantha Fusco Leslie*

This project embraced the students and the families of Hatfield Elementary School, ensuring that everyone feels welcome and included, regardless of their country of origin, culture, language, race, ethnicity or abilities. Multilingual welcome signs and posters, keeping in mind the population of the school, were placed strategically around the building to create an atmosphere of familiarity and inclusivity.

## **Pennsylvania Philharmonic** District-Wide, *Erica Milbourne*

1200 orchestra and band students in grades 4-6 from all thirteen of our elementary schools enjoyed the beautiful music of the symphony. Students expanded their knowledge of various composers, genres, and the link between music and visual arts of various different cultures.

## **Floating Classroom Trip** North Penn High School, *John Collier & Patrick Dougherty*

This grant funded a field trip for 45 NPHS students to attend the "Perkiomen Watershed Conservancy Floating Classroom" program at Green Lane Park. The trip included Environmental Education Experiences at Green Lane Park.

## **Author and Illustrator Visit: Jarrett Lerner** A.M. Kulp Elementary School, *Joanna Boland, Kylene Wood*

Jarrett Lerner, published author and illustrator, visited Kulp Elementary School to provide a unique and engaging presentation to 4th, 5th, and 6th grade students. Jarrett is known for being energetic, engaging and inspiring, with a goal to instill confidence in students that they have a creative reader and illustrator inside of them! During the presentation, students practiced basic drawing skills and created a storyboard with Jarrett himself. At the completion of the program, students left with a toolbox filled with strategies and confidence to bring into their classrooms and the world around them!

## **Night of Jazz** District-Wide, *Timothy Jernigan*

The annual Night of Jazz is an evening for all (6) North Penn Jazz groups (Bridle Path, Knapp, Pennfield, Penndale, Pennbrook and NPHS; 150-175 total students) to come together and celebrate the great tradition of jazz in the district. The evening provided an opportunity for the performers and their families to hear each of the North Penn Jazz Ensembles in one venue. Each year the Night of Jazz features a different guest jazz artist who spends rehearsal and clinic time with each group and performs one selection with each group at the culminating concert.



## **Boys II Men Mentorship** Penndale Middle School, *Brooke Bernardini*

This grant provided funding to grow the Boys II Men mentorship into a year long program at Penndale Middle School. The program connects Black male students with positive male role models in our school and community and provides an affinity space where students are given an opportunity to learn, bond, and develop skills to overcome obstacles and embody an attitude of excellence. This program supports students' social-emotional health and cultivates an environment of high expectations while connecting students to the school, our community and each other.

## **It's a Wild Life at the Elmwood Park Zoo!** A.M. Kulp Elementary School, *Rebecca Cucuzza*

It's a wild life at the Elmwood Park Zoo! Students showed an appreciation for wildlife and the environment that will inspire active participation in conservation. The Kulp ESL Students learned ways to help save wildlife, and how to teach others how they can help prevent species extinction and resource depletion!



## **NPenn Secondary Strings Guest Clinician**

**Pennbrook, Penndale, Pennfield, North Penn High School, *Blair Cunningham***

Orchestra students from Penndale, Pennbrook, Pennfield, and NPHS met together to see a performance and play with guest artists specializing in alternative string performance styles. These North Penn students are trained primarily in a Western classical music style. This performance motivated and inspired orchestra students to create and perform music outside of their comfort zone. Some alternative string performance styles include Latin American folk music, Indian classical and Carnatic music, electric pop/rock, and Irish/Scottish fiddle music.

## **Pennbrook Sewing Club**

**Pennbrook Middle School, *Anna Bingley and Jessica Marshall***

At Pennbrook Middle School, Jessica Marshall and Anna Bingley's sewing club used the grant for supplies to make pillows for patients in cancer treatment and blankets for hospitalized infants. Up to twenty-four 7th, 8th, and 9th grade students used their sewing skills and learned advanced ones. They also experienced the joy of giving to others.

## **North Penn Mural Arts Program**

**North Penn High School, *James Flynn***

The North Penn High School Mural Arts Program is available to NPHS students and provides the opportunity to go through the administrative image and location approval process to paint murals at NPHS. Students learned how to design, plan, get approved and created large scale public mural art that enhanced the physical environment of the high school. Mural arts programs in schools have proved to make students feel more connected to the school, improve mood, visually communicate school values, be inclusive and diverse, be inspirational, reinforce the curriculum, and are used as landmarks for students to navigate their way through the school.

## **Therapy Dogs**

**District-Wide, *Trish Pike and Mario (dog)***

This grant helped to provide therapy dogs the opportunity to visit all schools K-12 on a regular basis to support social emotional learning. Students had the opportunity to interact with the dogs and practice skills such as empathy, self-regulation, and communication. Through this program, students developed a positive relationship with dogs while learning important life skills that can benefit them both in and out of the classroom.



## **Culturally Cooking Club**

**Pennbrook Middle School, *Lauren Ewaniuk and Anna Bingley***

The Pennbrook Family Consumer Sciences (FCS) Department created a cooking club that focuses on diverse foods from around the world. Students from grades 7th through 9th researched recipes, learned the historical background, learned international cooking techniques, and sampled foods from different cultures around the world.

## **Classroom Library**

**Pennbrook Middle School, *Kerry Komarov***

Pennbrook Middle School reading teachers promoted reading by expanding their classroom libraries. All students who take reading in grade 7, 8 and 9 now have easy access to high-interest, age appropriate books. Classroom Libraries are used to increase a student's reading ability, reading stamina, and overall joy of reading. In class, the books are used to promote a positive classroom community and to increase engagement in daily reading lessons.

## **Real Reefs of North Penn**

North Penn High School, *Monisha Mukerji, Shane Trabucco Misuro*

This EITC grant was used to construct, design, and maintain a large coral reef show tank for North Penn High School. The Marine Science program at North Penn High School is the first and only high school program in the nation to successfully breed and propagate coral for sale and environmental conservation. The new tank was researched, designed, and constructed by those students under the guidance of Shane Misuro and Denial Krueger. Once constructed and running, future students in the marine science program can care for the animals, and coral as well as test and adjust the nutrients and other abiotic factors needed to promote the healthy growth of the ecosystem. The complete tank is not only useful in teaching marine science to future students, but it also serves as an attractive advertisement for the marine science program developed at North Penn High School over the past 10 years.

## **NWES Courtyard Garden**

North Wales Elementary School, *Melissa Splendido*

The grant has created an all inclusive garden where all the students in grades Kindergarten through sixth grade are able to use the garden. The students are able to prepare, plant, and tend to the garden as well as harvest the fruits and vegetables that they have grown.



## **The Future is NEAR (Nanotechnology Education and Research)**

North Penn High School, *Michael Boyer*

The Future is N.E.A.R. (Nanotechnology Education and Research) is a STEM education research program that parallels the senior capstone course, Engineering Design and Development (EDD), of the North Penn High School Engineering Academy. In the program, students work in design teams, utilizing a combination of creative problem solving and the latest published research available, to improve the human condition by researching and developing solutions to global energy, environment, and healthcare issues that capitalize from fundamentals of nanotechnology and cutting edge engineering research.

## **North Penn High School Unplugged**

North Penn High School, *Katie Kelley*

This grant provided hundreds of high school students with a unique opportunity to disconnect from the curriculum, reduce stress, and take a break from electronics during their lunch period. By engaging in physical activities and games, students had the chance to connect with one another and build stronger relationships, which can have a positive impact on their overall well-being and academic performance. Through this initiative, we created a more engaging and positive environment for students during lunchtime, which can help them feel more productive and focused when returning to classes. Additionally, by fostering a sense of community and connection, students can feel more invested in their school and more connected to their peers and teachers.

## **Butterfly and Moth Presentation by Rick Mikula**

Bridle Path Elementary School, *Teresa M. Young*

Eighty-one second graders at Bridle Path Elementary School got up close and personal with butterflies and moths from around the world. "The Butterfly Guy", Rick Mikula, presented a high-energy performance while sharing dozens of mounted specimens that he has collected from his travels all around the world. The students learned about camouflage, disguise, and survival. They also learned how to raise butterflies and moths using simple, recyclable household items and how to attract pollinators to their own gardens to increase their population. This wonderful opportunity enriched the students' scientific study of Insects and Plants and their raising of Painted Lady Butterflies in their classroom.

## **Team Building Game and Activities**

All Elementary Schools, *Marjorie Scott, Kathy Fey*

The Extended School Care Program received a grant that allowed them to purchase team building games and activities that were shared among the 13 program locations. The games purchased included Escape Room Kits, and Jumbo Jenga, Connect Four and Yahtzee games that the students had to work in teams to play. By using these materials throughout the school year, students were able to practice team building skills such as communication, cooperation, leadership and problem solving abilities.

## **Kindergarten Dramatic Play Centers**

Gwnyedd Square Elementary School, *Julia Schloeffel*

Dramatic play during exploration station time stimulates and engages curiosity and meets the physical and emotional needs so that children feel safe and secure in the classroom setting. Dramatic play is an invaluable way for the teacher and students to engage in discussions and solving problems. Allowing self-empowerment through dramatic play provided students the opportunity to make choices, act out their feelings and find a new connection to themselves and their peers.



## **Read around the World**

Pennbrook Middle School, *Scott McGowan*

Pennbrook seventh graders had the opportunity to explore countries and cultures spanning the globe through award winning books that are set in various countries during pivotal moments in history.

## **Redefining Recess**

Knapp Elementary School, *Amanda Blocklinger*

Knapp hosted Dr. Recess assemblies for students in K-6th. Additionally, Knapp provided more recess games for all students. The assemblies and games program promoted the importance of being active and living a healthy life by using developmentally appropriate games to teach social/emotional skills, thinking skills, and motor skills to all of our students. Students not only got to engage in a fun assembly, they also got to experience fun new games initiated by Dr. Recess during their recess times!

## **Let's Build a River!**

North Penn High School, *Patrick Dougherty & John Collier*

With the purchase of the Stream and River Demonstration Table, NPHS environmental science students are able to see and even create the erosion and deposition that causes streams to move. With hands-on experience, the students used inquiry to guide them through the process of discovery!

## **LGBTQ+ Student Training in Advocacy Rights and Responsibilities**

Pennbrook, Pennsdale, North Penn High School, *David Hall*

The Student Constitutional Rights Institute is a collaboration to teach students about LGBTQ issues and the Constitution. Supporting organizations of this North Penn Educational Foundation program include the Pennsylvania Council for Social Studies, Montgomery County Bar Association, and Montgomery County Courts.