

**DHS Bionic Bears Robotics is funded in part with a grant from the Delran Education Foundation.*

***DHS Rocketry Club, DIS Robotics Club, and Millbridge Robotics Club were funded, in part or in whole, by grants from Donors Choose and matching funds from Lockheed Martin, Radwell International and the Overdeck Family Foundation.*

****STEAM Camp is tuition-based, and is supported with additional funding from a PSE&G Neighborhood Partners Grant and an Overdeck Family Foundation Advancement Grant. STEAM Camp document camera technology was funded in full by a grant from the Delran Education Foundation.*



Overdeck Family
Foundation



PSEG

Delran Township Schools is pleased to welcome you to our Second Annual Delran STEM Fair showcasing STEM Activities that have taken place throughout the school district in the 2017-2018 school year, and highlighting the Science, Technology, Engineering and Math activities that occur everyday in many different careers and businesses right here in our community.

The Delran STEM Ecosystem Alliance is a network of diverse organizations, including K-12 schools, higher education, community organizations, and businesses, working in concert to increase and improve STEM learning opportunities. Delran was one of only four communities selected by the New Jersey STEM Pathways Network to participate in a statewide campaign to reimagine STEM learning and prepare New Jersey's future workforce for STEM fields. This past fall, Delran was honored to be named as one of 56 STEM Learning Ecosystems nationwide. Learn more at www.stemecosystems.org.

If your business or organization is interested in becoming a Partner with the Delran STEM Ecosystem Alliance, and contributing to this vitally important work, please contact Kari McGann, Director of Curriculum, for more information.

Thank you for attending tonight, and thank you for supporting STEM learning!

Sincerely,

Mary Jo Hutchinson & Erica DeMichele
2018 Delran STEM Fair Coordinators

Dr. Brian Brotschul, Superintendent
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Kari McGann, Director of Curriculum
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Erica DeMichele, K-12 Supervisor of Science,
Engineering, Sustainability & Co-STEM Coordinator
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Mary Jo Hutchinson, K-12 Supervisor of Math,
Business, Robotics & Co-STEM Coordinator
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Second Annual **Delran STEM Fair** **2018**

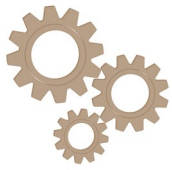
Science, Technology, Engineering, & Math in the Schools and Community

Monday, April 23

5:30-7:00 pm

Delran High School

50 Hartford Road, Delran



Outdoor Exhibits

DHS Parking Lot

Barlow Chevrolet—Chevrolet Bolt and Volt All-Electric Vehicles on display

Delran Fire Department—Demonstration of infrared technologies used in fire fighting and on the fire truck

Delran Police Department—Demonstration of STEM Technology in patrol cars that police officers use on the job every day, and a “Drug Box” where you can safely dispose of unused or unwanted prescription drugs

Delran Municipal Green Team—Tesla All-Electric Vehicle on display

Kona Ice Truck—Buy yourself a sweet shaved ice treat & support STEM programs! Proceeds benefit Delran’s STEAM Summer Camp.

Green Drop—Charitable donation drive sponsored by Delran Schools’ Green Teams

Palmyra Cove Nature Park—Check out our mobile geoscience laboratory and Virtual Reality Van

Delran Chick-Fil-A—sandwich sales

The Pop Shop A GoGo! Food Truck—food sales



Additional Exhibit Locations

DHS Gymnasium Hallway

*****STEAM Camp Registration**—Check out some interactive engineering activities and register in person at the STEAM Camp table during the STEM Fair to secure your Early Bird Discount!

DHS Alumni Walk—mark your place on the pathway to the DHS stadium

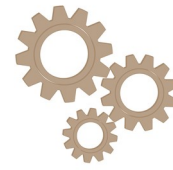
Schneider Electric—Presentation of the district’s Energy Savings Improvement Plan and solar panel installations with DIS Students

DHS School Store

DHS School Store—purchase the latest Bear Wear styles at the Bears Den

DHS Biotech Greenhouse

DHS Green Team & Horticulture Students—Student-grown plants for sale and student-led tours of the state-of-the-art Biotech Greenhouse



Indoor Exhibits

DHS Gymnasium

****Millbridge RoboCubs**—A Lego field, two Robots, and display boards highlight student work on the First Lego League, Jr. Aqua Adventure Challenge

Millbridge Green Team—display highlighting activities from this year, including the UNLESS Energy Challenge, Terracycle, and Giving Green

****DMS & DHS Rocketry Club**—Model rockets from our entry in the Rowan Blast Off Competition, and a video of our test launch!

DMS Green Team—Reusable water bottles for sale, and recycled art crafts for kids

DMS Robotics—See our robot complete challenges on our First Lego League Hydro Dynamics track, and view our display board presentations

****DIS Robotics**—Come by to see our EV3 robots completing missions in the LEGO Space Challenge program, and some student coding on the Scratch, Jr. platform

Delran Municipal Green Team—Displays for tree seedling giveaway and matching game, and nutritional information

The Chicken Advisory Board of Delran “The Eggsplorers”—Backyard Chicken Pilot Program licensing information and some friendly hens

DIS Green Team—Green Team giveaways of recycled school supplies

The Bee Guy—Bees and photos on display, with local honey available for sale—great for allergy sufferers

DHS Advanced Manufacturing and Chemical Engineering Club—Check out STEM project work, purchase lotions designed and created by students, and view chemistry class displays.

Lockheed Martin—STEM interactive challenges representative of Lockheed Martin’s products & capabilities, including Aluminum Boats (navy ships), Flying Hoops (Army/Navy/Air Force/Marine Corps planes), Radar Electronics, and Electrical Engineering

Barnes & Noble Moorestown—Create an invention with littleBits color-coded electronic building blocks

***DHS Bionic Bears Robotics**—Watch our 18”x18” VEX Robot complete challenges on a 6’x12’ playing field, and see our 3D printer in action!

DMS Mary B. Chiacchio Science Fair—displays of winning science fair projects

DHS Science Fair—displays of winning science fair projects