

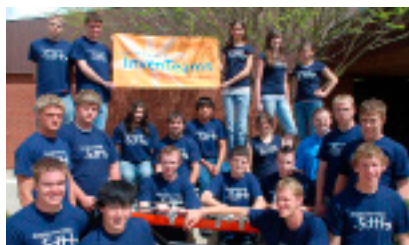


**2007 Ardsley High School**  
ARDSLEY, NEW YORK

Patent: [Curb climbing wheelchair attachment](#)



System of attachments that can be fitted to a standard wheelchair to enable the wheelchair user to climb curbs, bumps, or other obstructions.



**2009 San Juan High School**  
BLANDING, UTAH

Patent Title: [Motorized litter transport kits, methods and devices relating thereto](#)



A device that attaches to most types of rescue litters to improve rescue speed and reduce the number of necessary rescue personnel.



**2010 Cesar Chavez High School**  
LAVEEN, ARIZONA

Patent Title: [Physical therapy chair](#)

Fully adjustable motorized chair for individuals who may need mobilization assistance during physical therapy.



**2013 Natick High School**  
NATICK, MASSACHUSETTS

Patent Title: [Multi-component robot for below ice search and rescue](#)



Remotely operated robot for underwater or ice search and rescue.



**2014 SOAR High School**  
LANCASTER, CALIFORNIA

Patent Title: [Alcohol sensing bracelet](#)

Blood alcohol content detection wristband that uses a miniature sensor.



**2014 Benjamin Banneker Academic High School**  
WASHINGTON, D.C.

Patent Title: [Door security apparatus](#)

Mechanism that allows teachers to remotely lock classroom doors in the event of a lockdown situation.





**2015 Concord High School**  
 WILMINGTON, DELAWARE

Patent Title: [Object detection and removal apparatus](#)



Apparatus to be used in hospital textile facilities that attaches to laundry conveyor belts and detects and removes foreign objects.



**2016 Williamston High School**  
 WILLIAMSTON, MICHIGAN

Patent Title: [Apparatus and method for assisting a user in actuating a locking mechanism associated with a storage device](#)

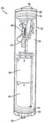


Device that helps students with autism or neurodevelopmental disabilities open their lockers.



**2016 Stockbridge High School**  
 STOCKBRIDGE, MICHIGAN

Patent Title: [Underwater camera and water quality monitoring system](#)



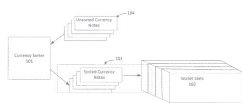
A waterproof camera that captures video and time-lapse photography to monitor water quality.



**2017 Poolesville High School**  
 POOLESVILLE, MARYLAND

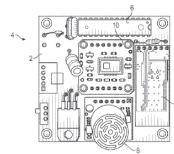
Patent Title: [Currency sorting mechanisms and methods](#)

Currency note sorting device that identifies denomination and delivers notes to a wallet with respective, braille marked slots.



**2018 SOAR Early College High School**  
 LANCASTER, CALIFORNIA

Patent Title: [Personal proximity sensor systems](#)



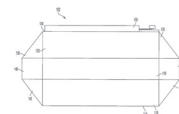
A safety device that can detect the presence of an individual who is nearby or even behind the user.



**2018 Northeast High School**  
 OAKLAND PARK, FLORIDA

Patent Title: [Mosquito Agitation Device, System and Method](#)

A device to disrupt the development of mosquito larvae in bodies of water.





**2020 Greenon High School**  
**GREENON, OHIO**

**Patent Title: A net system to reduce man-made debris in local waterway**



A system to capture human-made debris in the sewer system from entering local waterways while allowing for free flow of fluid.



**2018 Garey High School**  
**POMONA, CALIFORNIA**

**Patent Title: Medical monitoring system with a foot diagnostic device**



A foot diagnosis device equipped with sensors that are able to measure different diagnostic attributes of the feet.