2007 Ardsley High School
ARDSEY, 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
LAPEEN, 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.

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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.

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.

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.

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.