

PATENTS GRANTED

LEMELSON-MIT InvenTeams®



2007 Ardsley High School
ARDSLEY, NEW YORK

Patent Title: [Curb climbing wheelchair attachment](#)

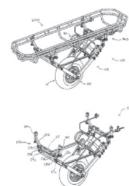


System of attachments that can be fitted to a standard wheelchair to enable the wheelchair user to climb curbs, bumps, or other obstructions.



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.



PATENTS GRANTED, *Continued*



2015 Concord High School WILMINGTON, DELAWARE

Patent Title: Object detection and removal apparatus

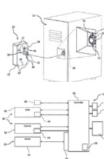


Apparatus to be used in hospital textile facilities that attaches to laundry conveyor belts and detects and removes foreign objects.



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



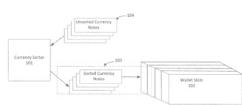
A waterproof camera that captures video and time-lapse photography to monitor water quality.



2017 Pooleseville High School POOLESEVILLE, MARYLAND

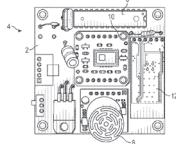
Patent Title: Currency sorting mechanisms and methods

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.

