

InvenTeams Solving Real-world Problems

Inventions by high school students address problems that affect their **local community**, **family members, classmates or a community connection**.



Solving Problems in their Community

Canadian Valley Technical Center
El Reno, Okla.

Wearable device to measure hip-to-waist ratio

Casa Grande Union High School
Casa Grande, Ariz.

Automated wildfire prevention system

Elizabethtown High School
Elizabethtown, Ky.

Confined space personal safety monitor

Granada Hills Charter High School
Granada Hills, Calif.

Electromagnetic locking system for trash cans

National Ford High School
Fort Hill, S.C.

Nutrient injection system for hydroponic gardens

The ASK Academy
Rio Rancho, N.M.

Wearable device for first responders to collect and transmit vitals

Solving Problems for Family Members/Classmates

McKay High School
Salem, Ore.

Adaptive cup for people with dysphagia

Manasquan High School
Manasquan, N.J.

Vital sign monitoring for firefighters

Marshfield High School
Marshfield, Mass.

Bandsaw safety device

Rolling Robots Outreach
Rolling Hills Estates, Calif.

Device to monitor sleeping conditions and habits

Solving Problems for Community Connections

Davenport West High School
Davenport, Iowa

Water filter for Muamba, Kenya

Lincoln County High School
Hamlin, W.Va.

Automated covered hoop-house monitoring and management system

Logan High School
La Crosse, Wis.

Energy management system for prosthetic limb

Richland Two Institute for Innovation
Columbia, S.C.

Combined biodigester and solar power system for Sare Bilaly, Senegal

Valley STEM + ME2 Academy
Canfield, Ohio

Danger alert system for schools