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.
  Electromagnatic 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 of 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

Teams of high school students awarded up to $10K for their invention projects

http://lemelson.mit.edu/inventeams
Follow us on Twitter: @LemelsonMIT