

# ***A Sampling of Activities Scheduled for TjSTAR***

May 28, 2009

## **Panels**

- Global Warming
- Public Policy and Science and Technology
- Women in Science
- Space Exploration
- Cyber Security
- Research in Mathematics

## **Speakers**

- Experts from the military (US Army, Air Force, Naval Research Laboratory)
- ExxonMobil
- Lockheed Martin
- George Washington University
- NASA/Goddard Space Center
- Sun Microsystems

## **Workshops**

- Ethics in Research
- International Research Opportunities
- Mystery Puzzle Hunt
- Statistical Techniques
- RoboCode
- Creating Simulations
- Science Policy
- The Future of Batteries
- Aerodynamics of Windmills
- Preserving Biodiversity
- Conceptualizing Complex Ideas
- Good and Bad Energy Sources
- What We Don't Know
- Frontiers of Chemistry Research
- National Institute for Standards in Technology and Nanotechnology
- Science, Engineering and White Collar Crime
- Reduction of Non-Recyclable Waste
- Finding a Research Topic

Design Challenges – teams of 4 students will compete to solve an engineering problem

- Egg Drop
- GIS Hunt
- Domino Demolition
- Balloon Bridge
- Windmill Construction

## **Demonstrations/Hands-On Activities**

- Sprockit the Robot
- CyberPatriot Defense Patrol
- Robots
- Solar Panel
- Fuel Cell Vehicle

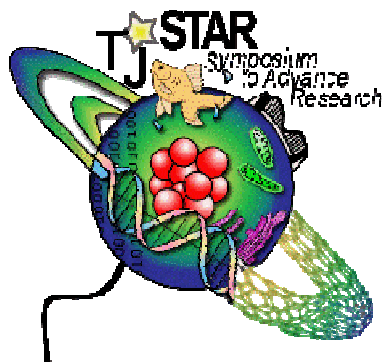
## **Student Presentations**

- Senior Presentations
- Independent Research
- CHUM Presentations
- AP Chemistry Student Presentations
- IBET presentations
- Cradle to Cradle Grant winners

One Question/One Book for 2009-2010

Keynote Speaker: US Secretary of Education  
Arne Duncan

And much, much more!!



***TjSTAR. A day to celebrate all things research***