



For Inspiration and Recognition of Science and Technology

# FIRST and University Programs, DHS S&T Progress Report

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# Climate Connection Challenge Game Overview



## Climate Connections Challenge is comprised of:

- A trading card and die challenge and interactive computer version
- Education Support materials that will allow educators and others to successfully facilitate learning and exploration of STEM concepts within the topic of climate change

## Climate Connections Challenge Overview

- Students become Area Experts (climate change, emergency preparedness, economic factors, community and environmental policy)
- Interaction will simulate same dialogues that occur at the community level and highlight working as a team
- Goals of the game will be to balance decision, impact and risk factors based on the cards they select with alternatives that also have inherent decisions, impacts and risks along with a scaling factor (small vs. large coal burning plant) and three values (for adjusted impact and/or risk)



# **FIRST Tech Challenge** **- FIRST Response**



- **A partnership with DHS and NIST**
- **Showcase of 12 teams demonstrating new robot kit platform and *FIRST* Response program components April 18 & 19, 2008 at the FIRST Championships**
- **National rollout begins in September 2008. Same challenge with 3 levels of complexity, Level 3 solves a real world issue first responders are encountering. Approximately 800 teams (4,000 students) will be participating**
- **Teams strive to produce viable prototype robots useful to first responders. Winners may work with NIST and first responders at “Disaster City” in Texas**

