

## 2012 Kavli Save the World Through Science & Engineering Video Contest

**Grantor:** Kavli Foundation

**Closes:** 3/1/2012

**Maximum:** \$2,000.00

### 2012 Kavli Save the World Through Science & Engineering Video Contest

Do you think we can save the world through science and engineering? Join hundreds of the world's leading scientists, engineers, thinkers, and innovators as we tackle mankind's greatest challenges and help to build our future.

The Kavli Foundation is challenging Grades 6-12 students across the world to brainstorm and share their ideas! This year's contest theme is inspired the National Academy of Engineering's Grand Challenges. The NAE recently asked some of the world's leading technological thinkers to identify what needs to be done to make people and our planet thrive.

Students worldwide are invited to submit entries to the 2012 video contest, with cash awards and prizes for the top entries. The best videos will be shown at the Festival Expo during April 27-29, 2012, where hundreds of thousands of science fans are expected to gather in Washington, D.C. The first place winner will also receive a travel stipend to attend the Expo.

Entries will be accepted on SchoolTube.com Oct 1, 2011 - March 1, 2012.

Our contest theme this year was inspired by the National Academy of Engineering (NAE) Grand Challenges. "Meeting these challenges would be 'game changing,'" says NAE president Charles M. Vest. "Success with any one of them could dramatically improve life for everyone and may even be required for our survival."

We are challenging you to:

#### 1. Investigate and Solve:

**THE NEXT GREAT SOLUTION.** What problem(s) do you think man needs to solve to improve life on earth? Is it to make solar energy economical, to provide access to clean water for everyone, improve the way we teach students, or something else? Investigate the problem and propose or share a solution (examples: energy, food production, climate, disease)

#### 2. Explore and Discover:

**THE NEXT GREAT FRONTIER.** Where, or what, do you think man needs to better explore or investigate, and why? Maybe it's space, or the depths of the ocean, perhaps our own brains? Be sure to explain how the discovery will improve or enhance our lives. (Examples: the human mind, the oceans, the earth, the sun, the universe, the human genome, cyberspace)

### 3. Dream and Build:

**THE NEXT COOL TOOL.** What do you think we need to invent and build next? Why? How will we engineer the tools of scientific discovery, enhance virtual reality, secure cyberspace, or create some other cool tool? (Examples: nano devices and materials, new sources of energy from microbes, metallic elements, carbon sequestering, water purification, climate, transportation technology, data technology, robots, virtual worlds, bio-monitoring/testing devices, cloaking devices, communications devices, security technology, learning technology)

Explore your subject(s) online, in the classroom, and with your teacher. Develop your ideas, discuss them, and prepare to tell us about why they matter. Will you wow your viewers with visions of the future, or sober us and warn us about the present? Might you find your inspiration in the wing of a bird, the eye of a fly, or maybe deep in the heart of the sun? You might choose to investigate or reflect on an issue like sustainability, clean energy, a man-made or natural disaster, phenomena, or an unexplored or underused natural resource. What benefits might we reap, what problems might we solve? What obstacles must we surmount before we can tap the resource? We are encouraging creative approaches, so your video could be anything from a poem or song or personal reflection upon one (or some, or all) of these themes, an animation, an interview with someone in your community, or an expression of your own views on the general state of mankind and our relationships with technology. For example, how might we better harness technology to cure disease, provide affordable energy, food, and clean water? How does technology help us, how does it hinder us? These are just some ideas to help get you thinking about how we can save our world through science and engineering.

**Who Can Enter** – Individual students or groups from Grades 6-12 schools, home school networks, after-school programs, science clubs or any other organization the student is representing for the purpose of the contest. The contest is open to international students.

**Types of Videos Eligible** - Videos should explore the main contest theme “Save the World Through Science and Engineering.” We are asking students to use their imaginations and investigative skills to tackle global challenges, explore new frontiers, and to discover and discuss the inventions that help mankind and improve life on our planet.

Videos must be 30-90 seconds in length, educational and suitable for general public screening.

All videos must be uploaded to [SchoolTube.com](http://SchoolTube.com)

A distinguished panel of judges comprised of scientists, educators, and video professionals will choose winning videos.

**Deadlines and Prizes** – The contest will open Oct. 1, 2011 and all entries must be submitted before midnight on March 1, 2012. First prize is \$2000 and a travel stipend to travel to Washington DC for the Expo. Second prize is \$750, third prize is \$500. The People’s Choice Award prize is \$250. Additional prizes include individual student licenses for Wolfram Mathematica Software.

**Link:** <http://www.usasciencefestival.org/2012festival/contests/kavli-video-contest>