



## Ethics in Science: 2011 Awards Program

<http://ethicscenter.net>

**Program Description:** For the fourth annual Ethics in Science program, the Center for Ethics in Science and Technology is inviting selected senior division science fair participants to apply their interest and skill in science to address the ethical dimensions of their work.

**Awards:** First place, \$500, Second Place, \$200, and three Third Place winners, \$100 each.

**Purpose of Program:** Science has brought us much that is good, including discoveries about ourselves and the world around us, as well as the tools to make new discoveries. However, science can also lead to harm. Effectively anticipating the risk of harm, both intentional and unintentional, requires a thorough understanding of the science. For this reason, it is essential that scientists themselves should be part of the discussion about how the products of research should be used. The purpose of this program is to encourage the next generation of scientists to see ethics as part of their research, and not as a question to be handled only by others.

### Submission Requirements

**Submission Deadline: May 6, 2011**

- To be eligible, you must have a science project selected for the 2011 Greater San Diego Science and Engineering Fair. If invited to apply, you will be asked to submit only one ethics project, which should be your own work. However, you are also free to consult with others as long as you clearly give credit to those who have helped you.
- Your project should include: (1) title page (title, name, e-mail address, high school, year in high school, and names and affiliations of others who helped); (2) up to five pages of text (including any figures or tables); and (3) one page for a bibliography.
- Projects should be prepared using standard word processing software or in pdf format, using any standard font, 12 points or larger, on 8½"×11" paper with 1" margins, and be submitted electronically to: [info@ethicscenter.net](mailto:info@ethicscenter.net)

### Judging Criteria

- Applications must be **received on or before the submission deadline**. Applications will be evaluated for completeness and relevance to the scoring criteria listed below. Applications that do not meet the Submission Requirements, that are incomplete, or are received after the submission deadline, will not be reviewed.
- **Scoring:** Reviewers will evaluate projects according to the following criteria:
  1. **Significance:** Identify and address an ethical challenge that is of significant concern in the area of science relating to the student's science fair project
  2. **Ethical principles:** Explicitly identify ethical principles that are at stake
  3. **Stakeholders:** Identify those who are at risk of some harm due to the conduct of or products of the science in question, and the stakes of these people in the outcome
  4. **Solution:** Recommend one or more clear courses of action
  5. **Relevant Literature:** Consider relevant published work and provide a bibliography