

Team America Rocketry Challenge

Rocketry Lesson Plan Competition

The American Association of Physics Teachers (AAPT), in cooperation with the Team America Rocketry Challenge (TARC), is interested in identifying best practices for implementing model rocketry into both the formal instructional classroom as well as the informal activities of clubs such as the 4-H, Boy & Girl Scouts, and other after school programs. AAPT invites the teachers and/or coaches of teams participating in the 2009 TARC to submit lesson plans or similar documents describing their team's activities, planning, and experiments undertaken while preparing for the 2009 TARC competition.

The lesson plans and other documentation should address the following:

- How do the activities described in the lesson plans and other documents address the local, state, and national STEM (Science, Technology, Engineering and Mathematics) standards?
- How do the activities described in the lesson plans and other documents encourage a cooperative working atmosphere among the team members?
- How do the activities described in the lesson plans and other documents encourage participation by females and minorities who are underrepresented in STEM disciplines at the professional level?

There will be two divisions for the competition:

- Division I for the formal instructional classroom teams.
- Division II for the informal instruction teams.

All materials should be submitted to the AAPT at the address below by April 14, 2009.

The first place winner for Division I will receive an all expenses paid trip to the 2009 AAPT/PTRA Summer Institute and the AAPT Summer Meeting in Ann Arbor, Michigan, July 25-29, 2009, and a one year membership in AAPT. The first place winner for Division II will receive an all expenses paid trip to the 2009 TARC finals in The Plains, Virginia, May 15-17, 2009. In addition, first place winners in both divisions will receive \$200 gift certificates to purchase merchandise from the AAPT Physics Store. Second and third place winners will receive \$100 and \$50 gift certificates respectively to purchase supplies from the AAPT Physics Store.

All six winners will be recognized in AAPT publications, in an AAPT press release, and on the AAPT website. If you have any questions, please contact Melissa Lapps at mlapps@aapt.org.

Submit entries by April 14, 2009, to:

AAPT 2009 TARC
One Physics Ellipse
College Park, MD 20740-3845

