

Science Olympiad Mission, Vision and Purposes



THE SCIENCE OLYMPIAD MISSION IS:

To promote and improve student interest in science and to improve the quality of k-12 science education throughout the nation.

THE SCIENCE OLYMPIAD VISION TO ACCOMPLISH THIS MISSION IS:

- 1. To create a passion for learning science by supporting elementary and secondary Science Olympiad tournaments at building, district, county, state and national levels with an emphasis on teamwork and a commitment to excellence.**
- 2. To improve the quality of K-12 science education throughout the nation by changing the way science is perceived and the way it is taught (with an emphasis on problem solving and hand-on, minds-on constructivist learning practices). This goal is accomplished through in-depth core curriculum training workshops and the distribution of curriculum materials to thousand of teachers.**
- 3. To celebrate and recognize the outstanding achievement of both students and teachers in the areas of science and technology by awarding thousand of certificates, medals, trophies and scholarships.**

4. To promote partnerships among community, businesses, industry, government and education.



THE SPECIFIC PURPOSES OF SCIENCE OLYMPIAD TOURNAMENTS ARE:

1. To bring science to life, to show how science works, to emphasize problem solving aspects of science and the understanding of science concepts.
2. To develop teamwork and cooperative learning strategies among students.
3. To make science education more exciting so more students will enroll in science courses and engage in other science activities like science reading, fairs, meetings and field trips.
4. To promote high levels of achievement and a commitment to excellence, to demonstrate that American students can perform at levels that surpasses expectations of even practicing scientists and engineers.

- 5. To attract more students particularly females and minorities to professional and technical careers in science, technology and science teaching.**