



U.S. DOE Nevada Regional Science Bowl

Introduction

The U.S. Department of Energy (DOE) Office of Science sponsors a range of science education initiatives through its Workforce Development for Teachers and Scientists program. Included within this program is the Science Bowl, a nationwide academic science competition established in 1991.



Reno High School defeated 31 teams in 2007 to become Nevada's regional champs.



The Meadows School of Las Vegas wins the 15th Annual Nevada Regional Science Bowl.

Background

National and Regional DOE Science Bowl competitions test students' knowledge in all areas of science. High school students are quizzed in a fast paced question-and-answer format similar to Jeopardy. Competing teams from diverse backgrounds are comprised of four students, one alternate, and a teacher who serves as an advisor and coach. Questions are submitted by scientists at all DOE facilities as well as from other federal agencies and university consortia.

Nevada Regional Science Bowl

Regional elimination tournaments are conducted throughout the country from January through March at DOE sponsoring sites. On average, 62 high school teams from 42 states, the District of Columbia, and the U.S. Virgin Islands compete in regional Science Bowls.

The DOE National Nuclear Security Administration Nevada Site Office began an annual Nevada Regional Science Bowl in 1991 with 19 teams competing. Today, more than 30 teams representing high schools from Nevada, California, Utah, and Arizona travel to Las Vegas to compete. Science Bowl competitions encourage student involvement in math and science activities, improve awareness of career options in science and technology, and

provide an avenue of enrichment and reward for academic science achievement.

To be eligible to compete in the Nevada Regional Science Bowl, a student must be enrolled for the current school year in grades nine, ten, eleven or twelve at the team's school, and be less than 20 years of age, or receive a special waiver from the Department of Energy.

Nevada Test Site



No school or student group may compete in more than one regional competition and students may compete on only one team. The Nevada Regional Science Bowl coordinator determines if more than one team from a high school will be allowed to participate in the Nevada Regional Science Bowl as well as the geographic area this regional competition will encompass. No more than two teams from one high school or student group may compete in a regional event.



The hydrogen fuel cell model car race during the National Science Bowl is a highlight of the competition.

National Science Bowl

To be eligible for the National Science Bowl finals, a student must have competed on the team that won the Regional Science Bowl or on the second place team if the first place team cannot attend.

The winning team from each regional tournament is invited to participate at the national finals in Washington, D.C. The DOE National Science Bowl is a highly publicized academic competition among teams of high school students who are quizzed on scientific topics in astronomy, biology, chemistry, earth science, general science, mathematics, and physics. Teams not only engage in question-and-answer competitions, but also in a hydrogen fuel cell model car race. In 2004, the car race expanded to include 16 teams that competed for trophies and \$7,500 in prizes for their schools.

The Winners' Circle

In both regional and national competitions, teams vie for science-oriented prizes that include funding for their schools' science and math departments, science research trips to highly advanced research facilities, and trophies.

More than 100,000 students have competed in Science Bowl competitions since they began in 1991. Today, the National Science Bowl high school competition involves more than 12,000 students and remains the only science competition in the United States sponsored by a federal agency.

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