

# SCIENCE

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United States Department of Energy

## A Message From Secretary of Energy Samuel W. Bodman

## National Science Bowl®

### For Students

This is a fast-paced fun game where you work with a team.

You get to meet many other students who enjoy science and math.

You could earn great prizes and a trip to the national competition.

### For Teachers

This is a proven way to get your students excited about studying a wide variety of science topics.

There are on-line resources for the verbal competitions, and middle school teachers are provided with materials to construct a model hydrogen fuel cell car.

You can network with other teachers interested in improving the teaching of science.

You could travel to the national competition where you will receive more classroom resources and attend topical workshops.



"Students who participate in the National Science Bowl® embody the excitement in science and mathematics that the Energy Department works to promote through President Bush's American Competitiveness Initiative. The Science Bowl engages our nation's brightest students in rigorous academic challenges, increases awareness of career options in science and technology, and provides an avenue for enrichment and reward for academic achievement. We want to ensure that America's next generation of scientists, engineers, and educators is equipped with the strong academic foundation necessary for America to remain at the forefront of innovation and successfully compete in the 21st century marketplace."



### Thank you

Thank you to the sponsors who make the regional events possible and to the countless volunteers who share their dedication to advance the frontiers of science.

The National event would like to thank the following main sponsors:



## Discoveries Changing the World

DOE National Science Bowl® for High School Students — May 1 – 6, 2008  
Washington, DC

DOE National Science Bowl® for Middle School Students — June 19 – 22, 2008  
Denver, CO

### What is the DOE National Science Bowl®?

Launched in 1991, the National Science Bowl® (NSB) is a highly competitive science education and academic event among teams of high school and middle school students who compete in a fast-paced verbal forum to solve technical problems and answer questions in all branches of science and math. Regional and national events encourage student involvement in math and science activities of importance to the Department of Energy and the Nation.

The National Science Bowl® for Middle School Students includes two types of competitions — an academic math and science competition and a model hydrogen fuel cell car race. The model hydrogen fuel cell car race provides the students with a "hands-on" science and engineering experience where the teams design, build and race their model cars.

# Discoveries Changing the World

## Who Participates?

Any current public, private, or home school is welcome to participate in a regional event. There are many science bowl locations — check Web site for up-to-date information and event dates.

The high school science bowl is for current high school students. The middle school science bowl is for current sixth through eighth grade students.



## How can I get Involved?

- ➔ Go to the NSB Web site to find the closest regional event.
- ➔ Form a team of 4 to 5 students.
- ➔ Find a coach and register for a regional tournament.
- ➔ Study and practice answering the sample questions.
- ➔ Middle school teams build a model hydrogen fuel cell car.
- ➔ Compete in a regional event.
- ➔ Regional winners will travel to the national competition.



## Events & Prizes

Each regional event has local prizes, ranging from trophies, to baseball games, to cash prizes and scholarships.

Regional science bowl championship teams receive an all-expense paid trip to compete at the national event. High school teams travel to Washington, D.C. in April and

middle school teams travel to Denver, Colorado in June.

The National Science Bowl is more than a competition — it's a mini-conference and valuable experience. Regional events might also provide science tours, activities, and science speakers.

## Science Day & More

The national events are several days of science activities, sightseeing, and competitions. Teams enjoy the entire science bowl experience and take home many prizes. There are cutting-edge science seminars and hands-on science activities.

All national participants receive certificates and have the opportunity to win small prizes for activities. The teams who advance to the double elimination rounds will earn a monetary prize for their school. Top teams also receive trophies and other awards, including science trips for the high school teams.



- ▲ High School Regional Sites
- Middle School Regional Sites