

U.S. DEPARTMENT OF ENERGY

★ Celebrating 15 years of Competition ★

2005 National

Science Bowl®

Discover the unknown.™

April 28 - May 2, 2005

Washington, D.C.

www.scied.science.doe.gov

What Is The National Science Bowl®?

The National Science Bowl® is a highly visible educational event and academic competition among teams of high school students who attend science seminars and compete in a verbal forum to solve technical problems and answer questions in all branches of science and math. The regional and national events 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.



Science Day Presentation,
Superstring/M-Theory,
Dr. Sylvester James Gates, Jr.

Who Participates?

Any current public, private, or home-school student is welcome to form a team and participate in one of the 64 regional competitions being held from January to March of 2005. The regional champions receive an all-expense paid trip to compete in Washington, D.C. for the national title.

Model Fuel Cell Car Race

On Science Day, several schools may choose to build model hydrogen fuel cell cars that will compete for prizes. Teams will compete in either a speed race or a king-of-the-hill climb.



Building a Model Fuel Cell Car

DISCOVER "Z"

Algebra: Z represents the third unknown.
Chemistry: Z is the symbol for atomic number.

What Are The Prizes?

At the nationals, the top two teams in each division earn a monetary prize for their school. The top five teams earn prizes like trophies, calculators, PDAs, and award trips. Everyone walks away with good memories and a fun time. Prizes are also awarded for placing in the fuel cell car competitions.



Answering a Bonus Question

What Is Science Day?

On April 30, 2005, all the teams participating in the national competition will take part in a day of science seminars and activities. There will be a workshop for teachers with innovative science activities to take back to their schools. Students and coaches have the opportunity to attend presentations by well-known scientists on current topics in math and the sciences. Last year's topics included astrophysics, string theory, molecular biology, Mars rover, computing, virology, art in science, magnetism, and antimatter. Students can also participate in hands-on projects, such as building a tower out of paper.

How Can I Get Involved?

- Form a team of 4 to 5 students.
- Find a coach.
- Register and compete in a regional tournament.
- Study.
- Practice answering the sample questions.
- Regional winners will travel to the national competition.



Science Day Presentation,
Mr. Magnet's Science,
Mr. Paul Thomas

WITH SCIENCE

Message from Secretary Abraham...

"For the past decade and half, the Department of Energy's National Science Bowl has encouraged excellence in science and math as it spotlighted some of our nation's most talented young people. Now, as we celebrate the competition's fifteenth anniversary, I would like to salute the more than 100,000 young men and women who have been part of the science bowl. They are our nation's next generation of scientists, mathematicians, and engineers who will address the technological and scientific challenges of this new millennium. We are proud that the National Science Bowl has become more than a competition - it is also a chance to meet teams and alumni from around the country, to participate in scientific seminars, and to do hands-on science with model fuel cell cars."



Secretary of Energy Spencer Abraham

Supporting Science Education

The U.S. Department of Energy and its Science Bowl partners are dedicated to achieving National Education goals. The National Science Bowl® was created to offer students who excel in math and science, along with their teachers and coaches, a forum to receive national recognition for their talent and hard work.



2004 Champions Thomas Jefferson High School for Science & Technology from Alexandria, Virginia

For More Information, Contact

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