

**Individual Grand Prize Winners
Fairfax County Regional Science
and Engineering Fair**

March 29, 2009

Animal Sciences

Shahleen Z. Ahmed

Chantilly High School

Comparison of Canine Lyme Disease in Metro DC Dogs

Biochemistry

Joy E. Lee

Thomas Jefferson H S for
Science and Technology

Novel Biosensor Quinone Monolayer Cyclic Voltammet

Engineering: Materials
and Bioengineering

Elizabeth M. Mako

Woodson High School

Switching Lifetime and Cost of CFL vs. Incandescents

Engineering: Materials
and Bioengineering

Joseph A. Gerner

Marshall High School

Adaptive Tip Sails for Wing Induced Drag Reduction

Energy and Transportation

Abhinav R. Mohan

Chantilly High School

Analysis of Metal Electrodes and Catalysts on DEFC

Energy and Transportation

Sumit Malik

Thomas Jefferson H S for
Science and Technology

Novel Alternative Energy: Biological Solar Cell

Mathematical Sciences

Jun Sup Lee

Langley High School

Approximation of Size of Roughly Spherical Objects

Medicine and Health
Sciences

Dennis Won

Langley High School

Garlic and Vitamin C as Potential Cancer Cures

Grand Prize Winners

**Team Grand Prize Winners
Fairfax County Regional Science
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Animal Sciences

Timothy J. Higgins, Eric D. Morris

South County Secondary
School

The Effect of Pre-Birth Learning on Cuttlefish

Cellular and Molecular
Biology

Ben Cobb, Conor Moran

Chantilly High School

Effect of Stress on Mitosis Cancer Cells

Physics and Astronomy

Alexander D. Kaplan, Noelle Viñas

Lake Braddock Secondary
School

When Pigs Fly: A Study of Lift Without Drag