

10-G-4

Jonathan B. Cross

Robinson
Secondary

Effects of Automotive Exhaust on PEM Fuel Cells

09-H-5

Stephen G. Honan

Woodson High
School

Minimizing the Arsenic Leaching from CCA Lumber

12-I-1

Fred Iacoletti

Robinson
Secondary

Kobon Triangle Solution

12-K-1

Nimish Shukla

Thomas Jefferson
H S for Science
and Technology

Identifying Novel Drug Targets in M Tuberculosis



Individual Grand Prize Alternate

2004 – Fairfax County Regional Science and Engineering Fair

11-C-2 **Rachel L. Silver** Westfield High School

Thigmamorphic Stress on Tomato Plant Growth

11-G-3 **Matthew G. Bocknek** Lake Braddock Secondary School

Creating Energy One Step at a Time

12-G-8 **Mark Croce** Langley High School

Faraday Effect Modulator for Detection of RF Waves

12-J-4 **Arora S. Neil** Thomas Jefferson H S for Science and Technology

Regional Brain Activity Across Sleep Stages



Team Grand Prize Winner

2004 - Fairfax County Regional Science and Engineering Fair

TM-G-1

**Andrew K. Abraham, Tuan Ho,
Andrew M. Kennedy**

Langley High
School

**Amplitude Shift Keying on FiberOptic
Communication**

TM-G-12

**Omar B. Bohsali,
Kurt A. Brendley**

McLean High
School

Fast Rope Descent System



**Team Grand Prize Alternate
2004 - Fairfax County Regional Science and
Engineering Fair**

TM-G-3

**Siamrut Patanavich,
Marianne Wu**

Madison High
School

Which Weave is Best for Textile Concrete

TM-H-12

Raj Aanchal, Erin Shaw

Chantilly High
School

Effect of Grass & Seed Density on Soil Erosion
