

Thank you!

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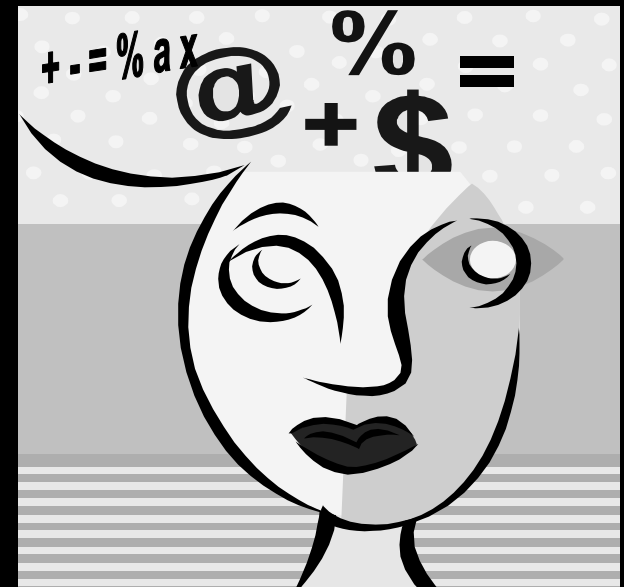
Sponsored by



Virginia Society of
Professional Engineers

Got a problem?

MATHCOUNTS



2008 Virginia Competition

Saturday, March 15, 2008

Hosted By

Dominion Virginia Power

Innsbrook Facility, Richmond, Virginia

Dear "Mathletes",

On behalf of the Virginia Society of Professional Engineers, welcome to the Virginia **MATHCOUNTS** State Competition.

VSPE is proud to help sponsor the **MATHCOUNTS** program because of our belief that the future rests in the young people of today. In order for our nation to remain a leader and maintain the pace of the high-tech world, we must produce graduates who have a firm foundation in mathematics and science and the ability to solve problems. In **MATHCOUNTS**, we have a program for strengthening the math skills of students your age and for helping you in deciding your future. The fact that you have made it to the state competition is an indication of your skills and your potential to become a professional in a field that is grounded upon mathematics such as engineering. We in VSPE hope that your involvement in **MATHCOUNTS** has been a positive and rewarding experience, and we compliment you upon your achievements.

Additionally, we extend our thanks to your coaches and parents for devoting the time, energy and encouragement that helped you get here today. We hope that you realize that your involvement in this program has already made you a **WINNER!**

Sincerely,

Aaron

Aaron Zdinak, P.E.
President
Virginia Society of Professional Engineers

Engineering as a Profession

Engineering training deals with the exact sciences. That sort of exactness makes for truth and conscience. It might be good for the world if more men had that sort of mental start in life even if they did not pursue the profession...

It is a great profession. There is the fascination of watching a figment of the imagination emerge through the aid of science to a plan on paper. Then it moves to realization in stone or metal or energy. Then it brings jobs and homes to men. Then it elevates the standards of living and adds to the comforts of life. That is the engineer's high privilege...

...The engineer...looks back at the unending stream of goodness which flows from his success with satisfactions that few professions may know. And the verdict of his fellow professionals is all the accolade he wants.

The engineer performs many public functions from which he gets only philosophical satisfactions. Most people do not know it, but he is an economic and social force. Every time he discovers a new application of science, thereby creating a new industry, providing new jobs, adding to the standards of living, he also disturbs everything that is. New laws and regulations have to be made and new sorts of wickedness curbed. He is also the person who really corrects monopolies and redistributes national wealth.

— By Herbert Hoover

2008 Virginia MATHCOUNTS Competition

March 15, 2008

SCHEDULE OF EVENTS

**Restricted Access to those on Approved List*

8:30 - 9:30 a.m.	Registration of Teams & Individuals*
9:30 - 9:45 a.m.	Opening of Competition* <i>(Introductions & Instructions—Competitors Only)</i>
9:45 - 10:35 a.m.	40/40 Sprint Round Competition <i>(Competitors Only)</i>
10:35 - 10:50 a.m.	Break
10:50 - 11:20 a.m.	Target Round Competition <i>(Competitors Only)</i>
11:20 - 11:35 a.m.	Break
11:35 - 11:55 a.m.	Team Round Competition <i>(Competitors Only)</i>
11:55 - 12:30 p.m.	Lunch Served to Mathletes, Coaches & Volunteers* <i>(Lunch provided by Dominion VA Power)</i>
12:30 - 1:30 p.m.	Countdown Round Competition*
1:30 - 2:00 p.m.	Awards Ceremony & Photos*
2:00 - 2:30 p.m.	Instructions to VA Team Advancing to the 2008 Lockheed Martin MATHCOUNTS National Competition*, <i>Denver, CO, May 9</i>

**VA Society of
Professional Engineers**

Dominion Virginia Power

CORPRINT of Virginia, Inc.

Thank you Sponsors!

Bill Horton, P.E. <i>State MATHCOUNTS Volunteer Coordinator</i>	
Leigh M. Dicks, CAE <i>VSPE Executive Director & MATHCOUNTS Administrator</i>	
Volunteers for 2008 State Competition*	
<i>Dick Ball, P.E.</i>	<i>Tom Snow, P.E.</i>
<i>Georg Dahl, P.E.</i>	<i>J.C. Stafford, P.E.</i>
<i>Divakar Bhargava, P.E.</i>	<i>Don Swygert, P.E.</i>
<i>Mel Goss, P.E.</i>	<i>Stephen Swygert</i>
<i>Carter Horton</i>	<i>Dr. Arun Verma</i>
<i>Pamela Levinson</i>	<i>Ron Wasserstein</i>
<i>Stanley Levinson, P.E.</i>	<i>Trent Warner, P.E.</i>
<i>Eric May</i>	<i>Dave Warriner, P.E.</i>
<i>Mark Mildorf</i>	<i>Ed Watling, P.E.</i>
<i>Judy Powell</i>	<i>Thomas Weingertner</i>
<i>Ray Powell, P.E.</i>	<i>Karlton Wirsing</i>
<i>Dr. Nitin Shah, P.E.</i>	
<i>*As of press time.</i>	

Corporate & Individual Sponsors

Special Thanks To...

BLUE RIDGE

Team—Daniel Morgan Middle School Coach: Robert Sciegaj

- | | |
|-----------------|-------------------|
| 1. Jack Bruhn | 3. Connor Hardy |
| 2. Simon Vogler | 4. Kathleen Getaz |

Individual Participants & Coach

- Jesse Nolan-Powhatan School (Harry Holloway)
- Deepak De-Byrd Middle School (Meredith Zirkle)

BULL RUN

Team—Seneca Ridge Middle School Coach: Sheryl Dufour

- | | |
|--------------------|---------------------|
| 1. Usnish Majumdar | 3. Kevin Matthews |
| 2. Amanda Wong | 4. Michael Sheaffer |

Individual Participants & Coach

- Jason Lee-Life Home School (Jean Lee)
- Jordan Myers-Seneca Ridge Middle School (Sheryl Dufour)

FAIRFAX

Team—Rachel Carson Middle School Coach: Angie Cahill

- | | |
|-----------------|---------------------|
| 1. Saketh Are | 3. Weina Bao |
| 2. Mitchell Lee | 4. Arjun Srinivasan |

Individual Participants & Coach

- Alexander DiLauro-Edlin School (Abdellatif Sabih)
- Eric Jian-Edlin School (Abdellatif Sabih)

GEORGE WASHINGTON

Team—Carl Sandburg Middle School Coach: Brenda Simon

- | | |
|-----------------|--------------------|
| 1. Elliot Simon | 3. Sarah Munyan |
| 2. Peter Town | 4. Dylan Keightley |

Individual Participants & Coach

- Quark Wei-Mark Twain Middle School (Taylor Powell)
- Evaristo Koyama-St. Bernadette School (Lucy Shufflebarger)

Virginia — Engineering The Future

The **Virginia Society of Professional Engineers (VSPE)** represents more than 1,100 engineers of all disciplines in the state of Virginia. As a professional membership organization, one of our missions is to enhance the awareness and understanding of the engineering profession for all Virginians. We want the public to know that our professional ethic charges us with the “health, safety and well-being of the public.” We also want to attract bright, responsible and curious minds to the profession. **VSPE** members believe that the education and involvement of school children is a critical part of our professional and civic responsibility. **VSPE** supports programs making quality education in math, science and technology available to all educators and students in Virginia, whether they are public or private schools.

Many member volunteers state-wide make this program possible, along with contributions from corporations, schools and private individuals. The **Virginia Society of Professional Engineers** is helping today’s students — tomorrow’s employees — develop the mental skills required in a quality work force. We are helping to engineer Virginia’s future.



Visit us on the web—www.VSPE.org

MATHCOUNTS in Virginia

Developed in 1982 as the first nationwide program of its kind, **MATHCOUNTS** combines the efforts of education, business, government and the technological community to promote math excellence among 6th, 7th and 8th grade students.

MATHCOUNTS was developed as a positive and rewarding solution to reversing the problem of math illiteracy — and as a way to make parents, educators and the general public aware of career opportunities in math.

The program builds skills, promotes strategic problem-solving, and exposes students to complex problems and hard-to-handle numbers — all a critical part of our technological society. And it provides an opportunity to bring 6th, 7th and 8th graders together to prompt the lively exchange of mathematical ideas.

MATHCOUNTS impacts these student “**MATHLETES®**” at an age when they are formulating attitudes about math and technology — when they can still elect to take upper-level math courses in high school to prepare them for future careers in math and science.

The program begins in the schools with coaching sessions using free materials provided by **MATHCOUNTS**. Students sharpen their skills in everything from algebra to math logic, probability and statistics. Starting in September, students and teachers work together to develop teamwork and problem-solving skills. In February, students challenge other “**MATHLETES®**” in their area at one of the thirteen chapter competitions. In March, the top teams then progress to the Virginia State Competition in Richmond, with the top four individuals advancing to the national finals.

At all levels — local, state and national — the **MATHCOUNTS** program relies on business and industry sponsors to reach over 500,000 6th, 7th and 8th grade students each year.

By supporting **MATHCOUNTS** in your community, you will be helping to tackle a vital national issue — improving the math and science abilities of our youth — on the local level. At the same time, you will have the opportunity to:

- Demonstrate your concern for quality education
- Help prepare young people for productive careers
- Ensure the technological future of our nation

For more information, contact the VSPE office at 804/673-4545, Info@VSPE.org, www.VSPE.org or visit the **MATHCOUNTS** website at <http://mathcounts.org>.

The Competitors and Their Coaches

LYNCHBURG

Team—*Forest Middle School* Coach: *Hien Van Eaton*

1. Samuel Know
2. Bobby White
3. Ozzie Van Eaton
4. Nathan Hunt

Individual Participants & Coach

1. Aejoong Hong-Sandusky Middle School (Leigh Hensley)
2. Aaron Rachels-Lylburn Downing Middle School (Jane Ellington)

NORTHERN VIRGINIA

Team—*Longfellow Middle School* Coach: *Eugene Huang*

1. Seungin Sohn
2. Yuqing Zhang
3. Kristina Hu
4. Billy Rieger

Individual Participants & Coach

1. Seung Young Park-Longfellow Middle School (Eugene Huang)
2. Victoria Xia-Haycock Elementary School (Mary Jo Clark)

PENINSULA

Team—*Berkeley Middle School* Coach: *Ray Hanson*

1. Maxim Paskalutsa
2. Neel Ronvelia
3. Thomas Baker
4. Kamran Rahman

Individual Participants & Coach

1. Shirley Mo-Grafton Middle School (Prakriti Verma)
2. Abigail Chen-Grafton Middle School (Prakriti Verma)

RICHMOND

Team—*Manchester Middle School* Coach: *Pamela Haner*

1. John Clikeman
2. Jerome Mueller
3. Judy Hou
4. Darice Xue

Individual Participants & Coach

1. Seth Bright-Manchester Middle School (Pamela Haner)
2. Glenn Abernathy-Tuckahoe Middle School (Marie Wilcox)

SKYLINE

Team—Sutherland Middle School Coach: Irina Mitrea

- | | |
|----------------|----------------|
| 1. Ryan Lake | 3. Laura Ungar |
| 2. Anish Doshi | 4. Irene Lee |

Individual Participants & Coach

- Marie Fernandez-Burley Middle School (Heather Igel)
- Benjamin Cosgro-Walton Middle School (Jennifer Drumheller)

SOUTHWEST

Team—Blacksburg Middle School Coach: Jamie McCall

- | | |
|-----------------|-----------------|
| 1. Emilee Tu | 3. Gina Li |
| 2. Shannon Jung | 4. Lambert Doih |

Team—Hidden Valley Middle School Coach: Renee Munsey

- | | |
|------------------|-------------------|
| 1. Sreemoyee Som | 3. Noah Luther |
| 2. Harsh Patolia | 4. Aashish Shenoy |

Team—Staunton River Middle School Coach: Mark Wilkinson

- | | |
|---------------------|-----------------|
| 1. Mason Gottschalk | 3. Ben Woodford |
| 2. Ryan Hurt | 4. Jordan Dehli |

Individual Participants & Coach

- Zane Mayberry-Blacksburg Middle School (Jamie McCall)
- Kevin Kabaria-Richlands Middle School (Bethany Carr)
- Zeke Shaffer-Dalton Intermediate School (Rita Weimer)
- Brittan Wilcox-Faith Christian School (Alan Lowe)
- Stuart Robertson-Staunton River Middle School (Mark Wilkinson)

TIDEWATER

Team—Kemps Landing Magnet School Coach: Pat Saul

- | | |
|--------------------|----------------|
| 1. Thomas Gibbings | 3. Ben Laugle |
| 2. David Sinclair | 4. Tyler Bynum |

Individual Participants & Coach

- Jordan Almeter-Chesapeake Bay Academy (Marzena Bogacki)
- Alyssa Glace-Western Branch Middle School (Sharyn Welch)

Year	Winning Team	High Scoring Individual
2007	Longfellow Middle, Falls Church	Weina Bao, Carson Middle School, Herndon
2006	Longfellow Middle, Falls Church	Daniel Li, Carson Middle School, Herndon
2005	Rachel Carson Middle, Herndon	Chanseok Oh, Berkeley Middle, Williamsburg
2004	Longfellow Middle, Falls Church	Jack Wang, Frost Middle, Fairfax
2003	Longfellow Middle, Falls Church	Haitao Mao, Longfellow Middle, Falls Church
2002	Longfellow Middle, Falls Church	Peter Diao, Longfellow Middle, Falls Church
2001	Longfellow Middle, Falls Church	Jack Cackler, Longfellow Middle, Falls Church
2000	Longfellow Middle, Falls Church	Ricky Biggs, Longfellow Middle, Falls Church
1999	Frost Middle School, Fairfax	Yan Zhang, Syms Middle School, Hampton
1998	H.W. Longfellow, Falls Church	Yan Zhang, Syms Middle School, Hampton
1997	H.W. Longfellow, Falls Church	Alton Meyer, Frost Middle School, Fairfax
1996	H.W. Longfellow, Falls Church	Alex Kulesza, Rocky Run Middle, Chantilly
1995	Frost Intermediate School, Fairfax	Ben Grosz, Frost Intermediate, Fairfax
1994	H.W. Longfellow, Falls Church	Alok Bhushan, H.W. Longfellow, Falls Church

Virginia's Team Placement at Nationals

2007-33rd	2002-4th	1997 — 9th
2006-1st Again!	2001—1st in the Nation!	1996 — 21st
2005-17th	2000 — 2nd	1995 — 5th
2004-5th	1999 — 5th	1994 — 11th
2003-14th	1998 — 12th	1993 — 9th

THANK YOU
TO OUR
CHAPTER and REGIONAL
COORDINATORS

Roger Zebarth, P.E.—Blue Ridge
Karl Schwartz, P.E.—Bull Run
Ray Powell, P.E.—Northern Virginia
Trent Warner, P.E.—Lynchburg
Dr. Shane Parson, P.E.—Southwest
Dr. Arun K. Verma —Peninsula
Becky Golden, P.E.—Richmond
Cindy King, P.E. —Skyline
Dr. Dipendra Sengupta—Tidewater

*Without the active support and thousands of hours donated by our coordinators and volunteers at the local level, **MATHCOUNTS** would not happen.*



1st Place Team:

1st Place Team Coach: (represents VA at National Competition)

2nd Place Team: _____

3rd Place Team: _____

4th Place Team:

5th Place Team:

(Top 4 Individuals represent VA at National Competition)

1st Place Individual: _____

2nd Place Individual: _____

3rd Place Individual: _____

4th Place Individual: _____

5th Place Individual (Alternate):

2008 Lockheed Martin
MATHCOUNTS National Competition

May 9, 2008

Denver, Colorado