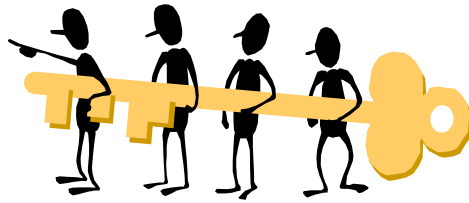


# The Competitive Key for 2014



## Competitive TMSCA/MATHCOUNTS Workshops

**Lead by: Jeff Boyd**

**Six-time National MathCounts Coach**

**Village School Math/Science Team Coach**

**Ann Martin (Science)**

**State Champion coach for The Village School**

**\*Assisted by Mrs. Martin and Mrs. Proske of The Village School**

**Location:** The Village School - 2005 Gentryside, Houston TX, 77077

**Ages:** Rising 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> grades

**Cost:** \$250 per session.

WEEK	DATES	TOPIC	TIME	LOCATION
1	June 2 <sup>nd</sup> - 6 <sup>th</sup>	Science	12:30 – 3:30 PM	High School Room 204 (2 <sup>nd</sup> Floor)
1	June 2 <sup>nd</sup> - 6 <sup>th</sup>	General Math	12:30 - 3:30 PM	High School Room 204 (2 <sup>nd</sup> Floor)
2	June 9 <sup>th</sup> - 13 <sup>th</sup>	Science	12:30 – 3:30 PM	High School Room 204 (2 <sup>nd</sup> Floor)
2	June 9 <sup>th</sup> - 13 <sup>th</sup>	Calculator	12:30 – 3:30 PM	High School Room 206 (2 <sup>nd</sup> Floor)
3	June 16 <sup>th</sup> - 20 <sup>th</sup>	Math Counts I	12:30 – 3:30 PM	Middle School Cafeteria
3	June 16 <sup>th</sup> - 20 <sup>th</sup>	Number Sense	4:00 – 7:00 PM	Middle School Cafeteria
4	June 23 <sup>rd</sup> – 27 <sup>th</sup>	Math Counts II	12:30 – 3:30 PM	Middle School Cafeteria

Get ahead! Join us for intense training and begin next year with higher scores!

Limited enrollment ..... sign-up now!

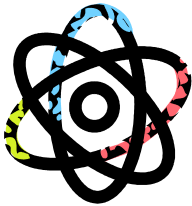
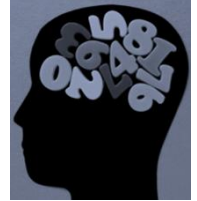


# Jeff Boyd Math/Science Workshop Descriptions



## NUMBER SENSE

Number Sense involves a 10-minute, 80-question mental math test covering all high school mathematics courses. Shortcuts need to be developed and practiced in order to compete and finish the test. All students will be taught every short cut needed to use throughout the competition season. These shortcuts are also very useful in math classes.

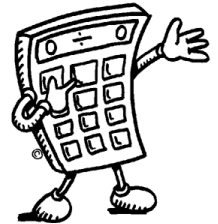


## SCIENCE

This contest challenges students to do a wide range of reading in biology, chemistry, geology and physics, to gain an understanding of the significance of experiments rather than to recall details, to be alert to new discoveries and information in the areas of science, to gain an understanding of the basic principles as well as knowledge of the history and philosophy of science, and to foster a sense of enthusiasm about how science affects our lives.

## CALCULATOR APPLICATIONS

This contest includes calculations involving addition, subtraction, multiplication, division, roots, powers, exponential, logarithms, trigonometric functions and inverse trigonometric functions. In addition to straightforward calculation problems, the contest includes geometric and stated problems similar to those found in algebra, geometry and trigonometry textbooks, previous contests and League materials related to the contest.



## MATHCOUNTS

MATHCOUNTS is a national math coaching and competition program that promotes middle school mathematics achievement through grassroots involvement in every U.S. state and territory. With over 20 years of experience, MATHCOUNTS is one of the country's largest and most successful education partnerships involving volunteers, educators, industry sponsors and students. The advanced problem-solving topics that are developed in MATHCOUNTS are:

Squares and Cubes

Pythagorean Triples

Perimeter and Area

Composite Area

Triangles

Solids

Counting Principals

Sequences and Series

Defined Operations

Miscellaneous Problem- Solving

Divisibility

Factoring

Remainders

Arrangements

Probability

Ratios and Proportions

Pattern Recognition

## GENERAL MATHEMATICS

The General Mathematics test is designed to test knowledge and understanding in the areas of Pre-Algebra, Algebra I, and some Geometry. General Mathematics is a 50 question exam that is solved in 40 minutes. These problems are slightly more challenging than number sense, and some of the word problems might take some thinking to figure out.



**REGISTER ONLINE AT [www.TheVillageSchool.com/summer](http://www.TheVillageSchool.com/summer)**

# SIGN ME UP



## Easy, Online Registration

Visit our website at [www.thevillageschool.com/summer](http://www.thevillageschool.com/summer) to read individual class descriptions and to register your child online.

## Need Help?

We are here for you. Please contact the Math/Science Program Coordinators, Cindy Proske or Ann Martin, to assist in answering your questions or help you with the online registration process.

[proske@thevillageschool.com](mailto:proske@thevillageschool.com)

[martin@thevillageschool.com](mailto:martin@thevillageschool.com)

