

# MATHEMATICS PENTATHLON® SUMMER WORKSHOP

Wednesday & Thursday  
**July 22 & 23, 2009**  
9am - 3pm

**WHERE: MSD Wayne Township**  
Garden City Elementary  
4901 Rockville Rd, Indianapolis, IN 46224

**WHO: Teachers & Parents who want**  
to implement the program in  
classrooms and/or clubs

## WHAT IS IT?



The Mathematics Pentathlon® is a program of interactive problem-solving games, supportive curricular and instructional activities, and evaluation and assessment tools for grades K-7. This motivational program aligns with National and State Standards, strengthens basic concepts and skills, and stimulates creative thinking while developing higher-level problem solving skills.

## BENEFITS TO STUDENTS' ACHIEVEMENT

- ★ **Differentiates Instruction:**  
uses specially-designed board games to motivate ALL students of varying abilities and learning styles to enjoy math and spend more time learning it;
- ★ **Develops Active Problem Solving:**  
the ability to resolve problems that are continually undergoing change;
- ★ **Integrates 3 Types of Mathematical Reasoning:**  
spatial, computational, and logical;
- ★ **Stimulates "Right Brain" Thought**  
(e.g. creative thinking and spatial visualization);
- ★ **Utilizes Mathematics Manipulatives**  
(models) to develop conceptual understanding

MORE TIME ENJOYING AND  
LEARNING MATH  
=  
BETTER TEST SCORES &  
PROBLEM-SOLVING ABILITIES!!!



## MATHEMATICS PENTATHLON® SUMMER WORKSHOP REGISTRATION FORM

NAME \_\_\_\_\_

HOME MAILING ADDRESS \_\_\_\_\_  
\_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

PHONE (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

EMAIL \_\_\_\_\_

TITLE Circle One

Teacher Parent Administrator

GRADE LEVEL Circle One interested in learning

Div I (K -1) Div II (2 -3) Div III (4 -5) Div IV(6 -7)

SCHOOL \_\_\_\_\_

DISTRICT \_\_\_\_\_

## COST

**WORKSHOP ONLY - \$100**

(Pairs come at a cost of \$160)

**WITH INTRO GAME SET - \$170**

(Pairs with intro sets \$150 each)

### **BONUS OFFER**

*Add \$60 for Professional Package which  
includes the Adventures Book &  
Investigations Binder*

**Mail payment or Call in Registration & CC info to:**  
Pentathlon Institute, 4110 Glencairn Lane,  
Indianapolis, IN 46226 - (317) 549-3232

## WHAT YOU WILL LEARN AT THIS TRAINING



- ★ the 5 games within the appropriate grade levels (divisions):
  - Division I (K-1); Division II (2-3);
  - Division III (4-5); Division IV (6-7)
- ★ curricular-related activities from Adventures in Problem Solving Book I (K-3) & Book II (4-7) that connect the games with ongoing classroom instruction and club use
- ★ related assessments from Investigation Exercises Binder I (K-3) & Binder II (4-7) that provide problem-solving worksheets and a more creative focus into the multiple strategies of each game
- ★ how to implement the Mathematics Pentathlon® Program in several ways including
  - ~ **Classroom Use**
  - ~ **Mathematics Clubs**
  - ~ **Cooperative Competition**

## HOW IS IT USED?

Involvement in the Mathematics Pentathlon® program can occur in several ways:

- ★ Classroom Instruction
- ★ Math Clubs
- ★ Home Use of Program
- ★ Mathematics Pentathlon® Tournaments

Students learn the five Mathematics Pentathlon® games and related activities and assessments within the appropriate Division (grade level):



- Division I (Grades K-1)
- Division II (Grades 2-3)
- Division III (Grades 4-5)
- Division IV (Grades 6-7)

## ALIGNMENT WITH NATIONAL & STATE STANDARDS

The Math Pentathlon® program aligns with and stresses the following National and State Standards:

- ★ Number & Operations
- ★ Algebra
- ★ Geometry & Measurement
- ★ Data Analysis & Probability
- ★ Problem Solving
- ★ Reasoning & Proof
- ★ Oral & Written Communications
- ★ Connections & Representations

This highly motivational program aligns with National and State Standards, strengthens basic concepts and skills, and also develops high-level problem-solving abilities. To see how this program targets many indicators for each standard visit the Mathematics Pentathlon® website at [www.mathpentath.org](http://www.mathpentath.org).



Involves the entire educational community: parents, students, educators, and other members of the community.

## ACADEMIC TOURNAMENTS

Constructive competition is offered by the Pentathlon Institute® for students who have become proficient at the games and want to test their problem-solving/strategic thinking skills with other students. At the tournaments every Pentathlete is recognized based on the spirit of cooperative competition. Students are welcome to compete in any existing national center. For more information about Mathematics Pentathlon® visit our website.

[www.mathpentath.org](http://www.mathpentath.org)

Call: 317-356-6284 ~ FAX 317-356-6680  
email: [mathpentath@mathpentath.org](mailto:mathpentath@mathpentath.org)