

MATHEMATICS PENTATHLON®

MATH GAMES & ACTIVITIES THAT PROMOTE CREATIVE THINKING

Mathematics Pentathlon® is a K-7 grade program of engaging and interactive problem-solving games with supportive curricular and instructional activities and assessment tools that motivate ALL students to enjoy math and spend more time learning math. This program strengthens basic math concepts and skills, and stimulates creative thinking while developing problem-solving skills.

**BENEFITS STUDENT ACHIEVEMENT
ALIGNS WITH STEM & STANDARDS
FOR SCHOOLS, CLUBS, AND HOMES
ACADEMIC TOURNAMENTS
PROFESSIONAL INSERVICES**



WWW.MATHPENTATH.ORG

HOW IS IT USED?

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

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

Academic 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)**

STEM & ALIGNMENT WITH NATIONAL & STATE STANDARDS

The Math Pentathlon® Program is identified as a STEM Program that builds skills and student interest in Science, Technology, Engineering, and Math. It 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 higher level problem-solving abilities.

BENEFITS TO STUDENTS' ACHIEVEMENT

- ★ **Differentiates Instruction**
uses specially-designed Gameboards 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**
creative thinking, spatial visualization and reasoning
- ★ **Utilizes Mathematics Manipulatives**
models to develop conceptual understanding

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



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MATHEMATICS PENTATHLON®

WHAT KIND OF TRAINING IS AVAILABLE?



SUMMER & FALL TRAINING SATURDAY WORKSHOPS EVENING MINI COURSES CUSTOMIZED WORKSHOPS

A variety of inservice options are available for teachers, parents, and administrators to optimize the instructional use of this program. To book an inservice for your district, school, or area **contact: Dr. Mary Gilfeather 317-549-3232 or René LeBlanc 512-258-5283**. To see if there is an inservice in your area go to: www.mathpentath.org

Mathematics Pentathlon® is a registered trademark and service mark for tournaments and associated instructional services owned and operated through the Pentathlon Institute. Neither the use of this form nor the acquisition of materials shall be construed as a license to make use of such materials in any competitions or tournaments not specifically authorized by the Pentathlon Institute. Any requests of this nature should be directed to Dr. Mary Gilfeather, **Mathematics Pentathlon®** National Director, Pentathlon Institute, 1412 Sadlier Circle East Drive, Indianapolis, IN 46239.

ESSENTIAL MATERIALS



- ★ **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)
- ★ **Teaching Guides** that provide detailed guidance to adults teaching the Program
- ★ **Adventures in Problem Solving Book I (K-3) & Book II (4-7)** curricular activities that connect the games with ongoing classroom instruction and club use
- ★ **Investigation Exercises Binder I (K-3) & Binder II (4-7)** problem-solving worksheets and related assessments that provide a more creative focus into the multiple strategies of each game

ORDERING INFORMATION

Order online at www.mathpentath.org or by completing an order form found online. We accept most major Credit Cards, Checks, Money Orders, and Purchase Orders. These materials can only be purchased through the Pentathlon Institute.

ACADEMIC TOURNAMENTS



Involves the
**ENTIRE EDUCATIONAL
COMMUNITY:**
**parents, students, educators, and
other members of the community.**

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 each tournament every Pentathlete is recognized based on the spirit of cooperative competition. Students are welcome to compete in any existing **National Mathematics Pentathlon® Academic Tournament Center**.

For more information about Mathematics Pentathlon® visit our website.
www.mathpentath.org

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