



Hands-On Math Projects with Real-Life Applications, Grades 3-5

By Judith A. Muschla, Gary Robert Muschla

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Each easy-to-implement project includes background information for the teacher, project goals, math skills needed, a student guide with tips and strategies, and reproducible worksheets. Projects are designed to help students meet the National Council of Teachers of Mathematics Standards and Focal Points, and chapters are organized to show how math relates to language, arts, science, etc.--demonstrating the importance of math in all areas of real life.

In Part I, Chapter 1 offers an overview of how to incorporate math projects in the classroom. Chapter 2 provides a variety of classroom management suggestions, as well as teaching tips, and Chapter 3 offers ways teachers may evaluate project work. Each chapter also contains several reproducibles that are designed to help students master the procedural skills necessary for effective collaboration while working on projects.

Part II, "The Projects," is divided into six separate sections:

Section 1. Math and Science

Section 2. Math and Social Studies

Section 3. Math and Language

Section 4. Math and Art and Music

Section 5. Math and Fun and Recreation

Section 6. Math and Life Skills

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Editorial Review

From the Back Cover

Hands-On Math Projects with Real-Life Applications, Grades 3-5

How many times have you heard your students complain, "What's the point of all this math? I'm never going to have to use it in real life." The materials in this book will answer that complaint and demonstrate the usefulness of mathematics in their world. The projects in this book will help students hone their critical-thinking skills while they apply basic math skills to everyday situations.

The easy-to-implement projects are divided into six categories:

- Math and Science
- Math and Social Studies
- Math and Language Arts
- Math and Art
- Math and Recreation
- Math and Life Skills

Each project includes instructions for the teacher, project goals, a student guide, and reproducible worksheets. The projects can stand alone, can be used with students of various grade levels and abilities, and are designed to support the Standards and Focal Points of the National Council of Teachers of Mathematics. The authors also offer methods for seamlessly incorporating math projects into the classroom and provide a variety of proven classroom management suggestions and teaching tips as well as strategies for evaluating students' work.

Hands-On Math Projects with Real-Life Applications, Grades 3-5 will help you instill a genuine appreciation for mathematics in your students.

Praise for Hands-On Math Projects with Real-Life Applications

"This book is an excellent resource that supports the national math standards by connecting real life experiences to math. Teachers who use this book's activities will strengthen their students' math understanding as the children complete enjoyable, cooperative, and meaningful projects."

—Celeste Deger, elementary school math specialist, East Brunswick Public Schools, New Jersey

About the Author

Judith A. Muschla taught mathematics in South River, New Jersey for over twenty-five years. She was a recipient of the 1990–1991 Governor's Teacher Recognition Program award in New Jersey and was named 2002 South River Public School Teacher of the Year.

Gary Robert Muschla, a prolific author and classroom teacher, taught math, reading, and writing for more than twenty-five years in Spotswood, New Jersey.

Judith and Gary Muschla have coauthored many bestselling math books including *Hands-On Math Projects with Real-Life Applications, Grades 6-12*, Second Edition; *The Math Teacher's Book of Lists*, Second

Edition; *The Math Teacher's Problem-a-Day*; and *Math Starters!*

Users Review

From reader reviews:

Elizabeth Cao:

Now a day individuals who Living in the era just where everything reachable by talk with the internet and the resources inside it can be true or not demand people to be aware of each facts they get. How many people to be smart in acquiring any information nowadays? Of course the correct answer is reading a book. Looking at a book can help individuals out of this uncertainty Information mainly this Hands-On Math Projects with Real-Life Applications, Grades 3-5 book as this book offers you rich info and knowledge. Of course the details in this book hundred % guarantees there is no doubt in it you may already know.

Thomas Kelly:

Nowadays reading books become more than want or need but also turn into a life style. This reading habit give you lot of advantages. Associate programs you got of course the knowledge even the information inside the book that will improve your knowledge and information. The details you get based on what kind of book you read, if you want attract knowledge just go with education books but if you want truly feel happy read one along with theme for entertaining for example comic or novel. The Hands-On Math Projects with Real-Life Applications, Grades 3-5 is kind of reserve which is giving the reader unforeseen experience.

Karolyn Kaufman:

Playing with family in a park, coming to see the ocean world or hanging out with pals is thing that usually you have done when you have spare time, in that case why you don't try point that really opposite from that. Just one activity that make you not sense tired but still relaxing, trilling like on roller coaster you have been ride on and with addition of knowledge. Even you love Hands-On Math Projects with Real-Life Applications, Grades 3-5, you can enjoy both. It is good combination right, you still wish to miss it? What kind of hang-out type is it? Oh seriously its mind hangout men. What? Still don't have it, oh come on its known as reading friends.

Jack Bell:

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