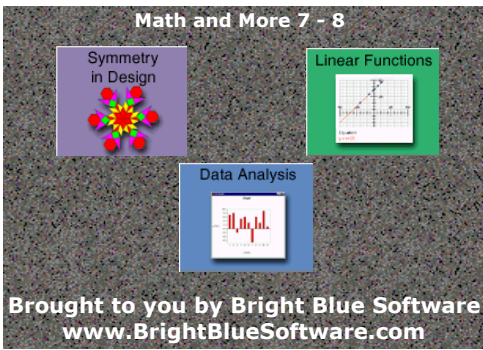


# Math and More grades 1 - 8

**Patterns and Relationships,  
Geometry, Probability and Statistics -**

**With Math and More, students  
can learn these concepts with  
understanding, actively building  
new knowledge from experience  
and prior knowledge.**



## Math and More Units

### Grade 1

Repeating Patterns  
Maps and Movement  
All About Us

### Grade 2

Growing and Shrinking  
Patterns  
Geometry in Design  
Animals, Animals, Ani-  
mals

### Grades 3 and 4

Patterns and Lattices  
From Cubes to Commu-  
nities  
Food for Thought

### Grades 5 and 6

A World of Tessellations  
Patterns and Rules  
Just About Average

### Grades 7 and 8

Symmetry in Design  
Algebraic Thinking-  
Linear Functions  
Measurement and Data  
Analysis

### Teacher's Guide:

- A planning chart and calendar
- Background notes about each unit
- Learning goals and assessment
- Extensions to other curricular areas

The **Math and More** curriculum, built upon the best contemporary research in teaching and learning, was developed to address the content areas identified by the National Council of Teachers of Mathematics (NCTM) as needing increased attention:

*Algebra, Geometry, and Data Analysis and Probability.*

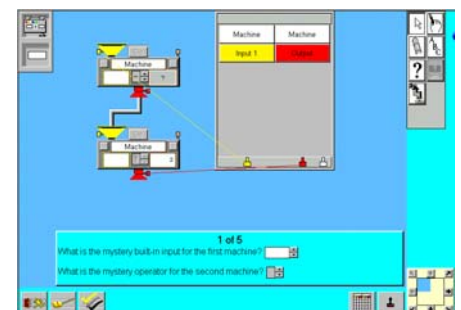
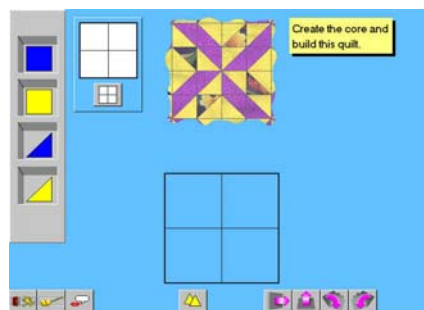
**Math and More** emphasizes open-ended problem-solving for students in grades 1 - 8 that lays the groundwork for sophisticated mathematical thinking. Through both structured and exploratory activities, students use words, symbols, pictures, diagrams and physical objects to discover and document how they can apply mathematical ideas.

The three content areas - Algebra, Geometry, and Data Analysis and Probability - are presented in units containing investigations. Each investigation provides in-depth exposure to a particular mathematical concept and includes both on-line and off-line activities, the use of concrete manipulatives, opportunities to make and solve problems and time to record findings or write about mathematics.

**Math and More** units meet the standard on communication, as students regularly relate everyday language to mathematical language in whole-class discussions and small groups. The themes and activities chosen - such as *Geometry in Design* and *Just About Average* - provide connections to student interests, their neighborhoods and their family and cultural backgrounds.

**Math and More** units also reflect the NCTM's Professional Standards for Teaching Mathematics by providing challenging, worthwhile mathematical investigations, using technology as an essential tool of mathematical teaching and learning and emphasizing the teacher's role as facilitator and orchestrator of classroom activity and discussion.

The **Math and More Teachers Guide** provides a wide range of materials for teachers to extend their repertoire of strategies for presenting mathematical ideas, discussing them with students and assessing student learning.



Another Instructional Solution From:



**Math and More builds on years of experience and research  
with technology and technology-based tools for learning.**