Elementary Mathematics

K-5 Materials

✶ Pearson-Scott Foresman *Investigations in Number, Data, and Space* ✶

✶ Student Math Handbooks: Math Words and Ideas - Math Games ✶

✶ Activity Books - Homework and Daily Practice ✶

✶ Scott Foresman-Addison Wesley *Mathematics* ✶
Practice, Reteaching, Problem Solving, Enrichment

✶ Evan Moor Daily MATH Practice - Skill Review ✶

✶ Comprehensive School Mathematics Program ✶

✶ Manipulatives for Hands-on Activities ✶

✶ Teacher Selected Math Activities ✶

✶ Technology Resources ✶

✶ Basic Facts ✶

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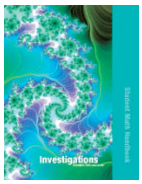
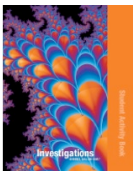
Pearson-Scott Foresman *Investigations in Number, Data, and Space*

Investigations in Number, Data, and Space, 2nd Edition is a research-based, child-centered approach to teaching mathematics through engaging activities, discussions, and problem solving. Instruction is organized into units that offer from two to eight weeks of work focused on a particular content strand, such as Number, Geometry, Measurement, and Data. These units link together with ongoing review to form a K-5 program that offers differentiation based on students' needs. Students are involved in meaningful mathematical problems, with computational fluency as a major goal of the elementary grades.



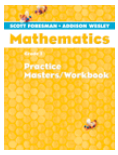
Student Math Handbooks: Math Words and Ideas - Math Games

This handbook is for students, teachers, and parents to use. Math Words and Ideas pages highlight the major mathematical words, ideas, skills, and concepts of the grade. It is a concise and visual summary of mathematics. Directions for many of the games students have played in class are included In the back of the handbook. Students are responsible for returning this book at the end of the school year.



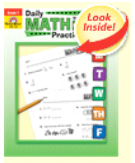
Activity Books - Homework and Daily Practice

Student complete practice pages that extend classroom work and solidify their mathematical understanding. Sometimes they offer review and practice of activities experienced in class; sometimes they are preparation for upcoming activities, sometimes they supply recording sheets for number games that reinforce mathematical ideas and basic facts; and sometimes they provide practice that revisits work from previous units.



Scott Foresman-Addison Wesley *Mathematics*: Practice, Reteaching, Problem Solving, Enrichment

These resources are used to support and extend math objectives through additional practice, problem solving, and enrichment for individual students, small groups of students, or the entire class. They promote mathematical proficiency by focusing on the development of both mathematics skills and essential understandings.



Evan Moor Daily MATH Practice - Skill Review

This focused practice is based on current national mathematics standards and is designed to support student learning through frequent review of essential skills to promote mastery and retention of basic skills. Daily problem sets include five items: two computation problems, two skill problems, and one word problem. In addition, one challenge problem that is more extensive, requires multiple steps, and emphasizes reasoning and communication is presented weekly.

Comprehensive School Mathematics Program

CSMP stresses thinking skills and emphasizes the development of the standard number systems and their operations. The strands also contain strong lessons in probability, statistics, and geometry. Activities are flexible enough to facilitate whole-class, small group, and individualized instruction. The program aims to integrate concepts and skills in mathematical activities from which students develop mathematical understanding and competence.

Manipulatives for Hands-on Activities

Manipulatives are concrete objects that are used in teaching mathematics. They include items such as attribute blocks, geometric shapes of different colors and sizes that may be used in classification or patterning tasks; plastic counting cubes for solving simple equations; and fraction pieces, which can be used to represent different fractional parts. Manipulatives play a helpful role, especially in the teaching of mathematical concepts and relationships.

Teacher Selected Math Activities

Teachers have access to a variety of other resources to select additional activities to support instruction in all strands of mathematics and to meet individual student's needs.

Technology Resources

Mathematics instruction is supported and enhanced through interactive white board lessons, software, and appropriate internet sites.

Basic Facts

To develop efficient computation strategies, students need to become fluent with the basic number combinations in addition, subtraction, multiplication, and division. Facts are organized into groups and students use effective strategies to find solutions. They practice in a variety of ways, through games, interactive computer software, and paper-pencil activities. Through this frequent and repeated use, students should develop fluency in all four operations by the end of grade four. Some students may need additional practice at home to reach this goal.