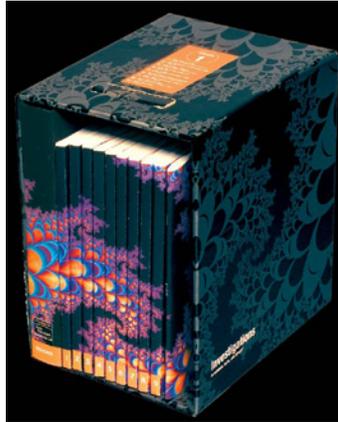


Program Components

Introduction

This guide describes the program components available for Investigations in Number, Data, and Space © 2012.



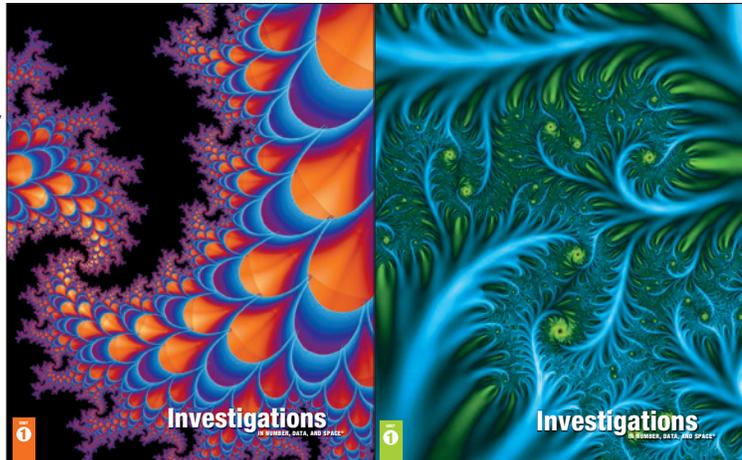
Core Curriculum Package

The main teaching component is the Core Curriculum Package. Here, you will find your Investigations teaching essentials.

Curriculum Units

Each grade level consists of a series of curriculum units, or Teacher's Editions. Each Investigations session, or lesson, is presented through the exploration of major mathematical ideas.

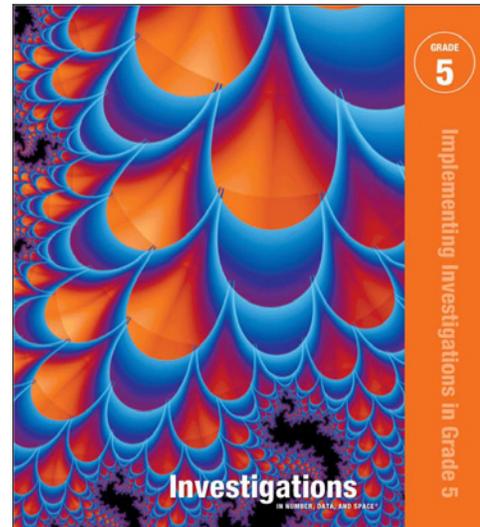
Approaching the mathematics content through investigation helps students develop flexibility and confidence in approaching problems, fluency in using mathematical skills and tools to solve problems, and proficiency in evaluating their solutions. Students also build a repertoire of ways to communicate their mathematical thinking, while their enjoyment and application of mathematics grows.



Implementing Investigations Guide

At each grade level, the *Implementing Investigations* guide includes

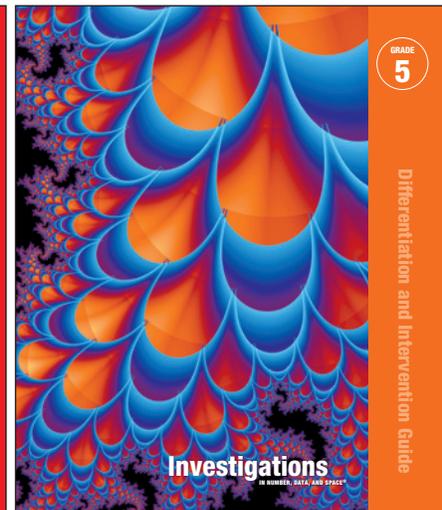
- an overview of the curriculum as a whole and at that grade level;
- a closer look at the mathematics content, organized by strand, that includes lists of the Math Focus Points and benchmarks;
- summaries of the Classroom Routines and/or Ten-Minute Math activities, including the variations that will be explored over the course of the year;
- program-wide Teacher Notes that explain some key ideas underlying the curriculum;
- a set of case studies about working with a range of learners that you can use for professional development;
- scope and sequence information for the previous grade, the current grade, and the subsequent grade; and
- a full program index.



Differentiation and Intervention Guide

The *Differentiation and Intervention Guide* offers further support in meeting the needs of the range of learners in any classroom. Available for Grades 1–5, this guide provides support for each Investigation, including

- information about the important mathematics, and help determining whether students understand, partially understand, or do not yet understand it;
- an Extension, Practice, and Intervention activity, each with support for teaching English language learners; and
- blackline masters, including an optional quiz.



Student Resources

The main student resources include the *Student Activity Book* and the *Student Math Handbook*.

Student Activity Book

Available by unit or for the whole year, the *Student Activity Book* contains all of the consumable pages for student work, including in-class work, such as activity sheets, recording sheets for math games, homework sheets, and practice pages. It is available in English or Spanish, in hard copy or online, and as three- and six-year subscriptions.



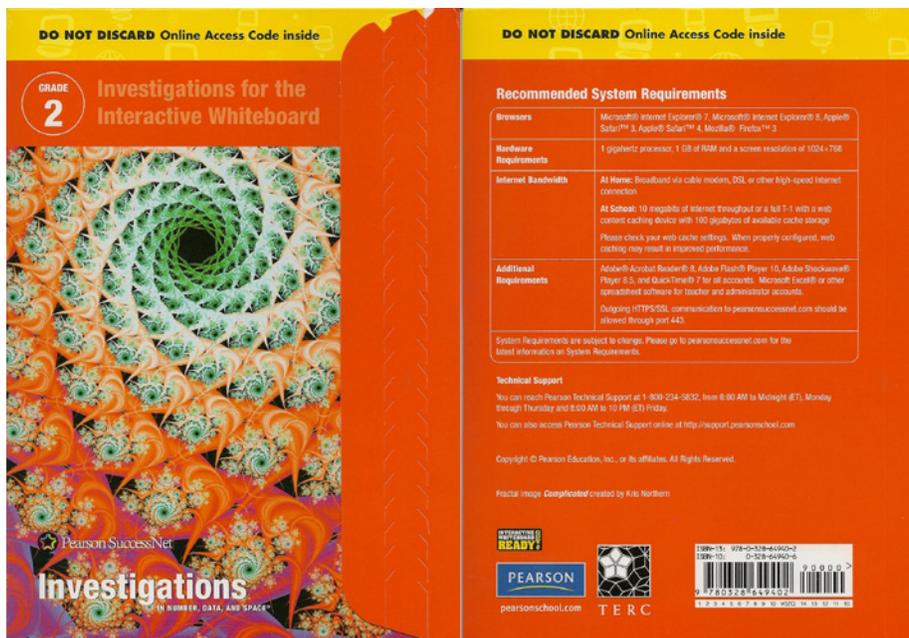
Student Math Handbook

The *Student Math Handbook* offers a valuable reference to the math words and ideas introduced in the curriculum units, as well as game directions for the games for a particular grade level. Available as a hardcover book in Grades 1–5 and as a flip chart in Grades K–2, this resource is designed for you to use flexibly—as a resource for students during class work, as a book students can take home for reference while doing homework and playing math games with their families, and/or as a reference for families to better understand the work their children are doing in class.



Digital Resources

The digital resources include Investigations for the Interactive Whiteboard, *Shapes and LogoPaths* Software, the Resource Masters CD-ROM, ExamView® Tests to Assess New Standards CD-ROM, and SuccessTracker.



Investigations for the Interactive Whiteboard

With support for almost every Session, you can use the interactive whiteboard to do the day's Classroom Routine or Ten-Minute Math, introduce a game or activity, facilitate a discussion, or illustrate a particular idea or solution. Students can use the interactive whiteboard to play a game or do an activity during the Math Workshop, and you can use these activities to work with small groups.

Shapes

In Grades K–2, *Shapes* Software provides an environment in which students investigate a variety of geometric ideas, including how different shapes go together, relationships between shapes, how shapes combine to make other shapes, patterning and tiling, symmetry, and geometric transformations such as rotations (turns), translations (slides), and reflections (flips).

LogoPaths

In Grades 3–5, *LogoPaths* Software provides an environment in which students investigate movement along paths, length, perimeter, angle and the characteristics of a variety of shapes.



Resource Masters CD-ROM

Available in English or Spanish, this CD-ROM contains all of the transparencies and resource masters you will need to teach the curriculum. These include assessment masters, game directions and recording sheets, and family letters. This material is also available online, through Pearson SuccessNet.



ExamView® Tests to Assess New Standards CD-ROM

The ExamView® Tests to Assess New Standards CD-ROM can be used to customize tests and worksheets within seconds.

Additional Resources

The additional resources include the Manipulative Kit and Cards Package.

Manipulatives Kit

A Manipulatives Kit that contains grade-appropriate materials, such as connecting cubes, dice, and pattern blocks, provides easy access to the materials you need for a lesson and stores them in one easy-to-manage location.



Cards Package

The ready-made Cards Package includes a variety of games and activities. This package is a time saver—leaving you with less to copy and cut!



Review

This guide explained the program components for Investigations in Number, Data, and Space © 2012. The program includes the following components:

- Core Curriculum Package
 - Curriculum Units
 - *Implementing Investigations Guide*
 - *Differentiation and Intervention Guide*
- Student Resources
 - *Student Activity Book*
 - *Student Math Handbook*
- Digital Resources
 - Investigations for the Interactive Whiteboard
 - *Shapes/LogoPaths* CD-ROM
 - Resources Masters CD-ROM
 - ExamView® Tests to Assess New Standards CD-ROM
 - SuccessTracker
- Additional Resources
 - Manipulatives Kit
 - Cards Package