



# Investigations

in Number, Data, and Space®

## Grades K-5 Components: 2<sup>nd</sup> Edition<sup>1</sup>

In order to teach any grade of the 2<sup>nd</sup> edition of *Investigations*, a teacher needs the Core Curriculum Package, Student Activity Books, and the manipulatives at that grade level.

The **Core Curriculum Package** includes the curriculum units at that grade level, which offer from 2 to 5½ weeks of work, focused on the area of mathematics identified in the subtitle. (There are 9 units at every grade except for Kindergarten, which has 7.) It also includes *Implementing Investigations in Kindergarten*, a book that helps teachers get started and provides useful ongoing support, and a teacher **Resources Binder**, available in English or Spanish. This binder contains all of the transparencies and reproducible Resource Masters that support classroom instruction, in hard copy and on a CD. It also includes a CD with the *Shapes* software (in grades K-2) or the *LogoPaths* software (in grades 3-5).

**Student Activity Books** contain all of the consumable pages for student work (e.g. activity sheets, recording sheets for math games, practice pages, and homework sheets) by individual unit (Grades 1-5) or for the entire year (Grades K-5). Available in English and Spanish.

The **Manipulatives Kit** includes all of the student and overhead manipulatives needed for a class of 24 students in K-2, and 32 students in 3-5. The **Completer Kit** includes *only* materials new to the 2<sup>nd</sup> Edition. The contents of the Manipulatives Kit at each grade level follows. \*Starred items are new to the 2<sup>nd</sup> Edition, and make up the **Completer Kit**.

### **Kindergarten**

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| <ul style="list-style-type: none"><li>• Connecting cubes (1000)</li><li>• Pattern Blocks (4 sets of 250)</li><li>• Attribute Blocks (2 sets of 1000) *</li><li>• Geoblocks (2 sets of 330)</li><li>• Geometric Solids (1 set of 12) *</li><li>• Geoboards with rubber bands (10) *</li><li>• Buttons (1000)</li><li>• Pennies (2 sets of 100) *</li><li>• Color tiles (2 sets of 400)</li></ul> | <ul style="list-style-type: none"><li>• Two-color counters (200)</li><li>• Crafts sticks (1000) *</li><li>• Teddy bear counters (2 sets of 120)</li><li>• Blank cubes &amp; labels (2 sets of 36)*</li><li>• Dot cubes (2 sets of 12) *</li><li>• Number cubes (2 sets of 12) *</li><li>• Monthly Pocket Chart Calendar *</li><li>• Pocket 100 Chart</li><li>• Class Number Line *</li></ul> |
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<sup>1</sup> This document applies to the 2nd edition of *Investigations* (2008, 2012). See <http://investigations.terc.edu/CCSS/> for changes when implementing *Investigations and the Common Core Standards*.

### Grade 1

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| <ul style="list-style-type: none"><li>• Connecting cubes (2 sets of 1000)</li><li>• Pattern Blocks (4 sets of 250)</li><li>• Overhead Pattern Blocks (49) *</li><li>• Geoblocks (2 sets of 330)</li><li>• Power Polygons (2 sets of 450) *</li><li>• Geoboards and rubber bands (10) *</li><li>• Color tiles (2 sets of 400)</li><li>• Overhead color tiles (48) *</li><li>• Coin sets (2 sets of 96)</li><li>• Pennies (100)</li><li>• Overhead coins (47) *</li><li>• Buttons (1000)</li><li>• Shells (2 pounds) *</li></ul> | <ul style="list-style-type: none"><li>• Two-color counters (200) *</li><li>• Crafts sticks (1000) *</li><li>• Dot cubes (2 sets of 12)</li><li>• Blank cubes &amp; labels (2 sets of 36)*</li><li>• Color cubes (12)</li><li>• Hundreds board set (10)</li><li>• Pocket 100 Chart (with extra numbers and pattern markers) *</li><li>• Number cards (0-100) *</li><li>• Monthly Pocket Chart Calendar *</li><li>• Class Number Line *</li><li>• Demonstration clock *</li></ul> |
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### Grade 2

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| <ul style="list-style-type: none"><li>• Connecting cubes (1000)</li><li>• Pattern Blocks (4 sets of 250)</li><li>• Overhead Pattern Blocks (49) *</li><li>• Geoblocks (2 sets of 330)</li><li>• Geoboards and rubber bands (2 sets of 10)*</li><li>• Color tiles (2 sets of 400)</li><li>• Overhead color tiles (48) *</li><li>• \$1 Bills (100)</li><li>• Coin sets (8 sets of 96)</li><li>• Pennies (100)</li><li>• Overhead coins (47) *</li></ul> | <ul style="list-style-type: none"><li>• Crafts sticks (1000)</li><li>• Transparent counters (250)</li><li>• Dot cubes (2 sets of 12) *</li><li>• Blank cubes &amp; labels (2 sets of 36)</li><li>• Number cubes (2 sets of 12) *</li><li>• Mirrors (3 sets of 4) *</li><li>• Inchworm/Centibug Rulers (12) *</li><li>• Demonstration Clock *</li><li>• Student Clocks (12) *</li><li>• Hundreds board set (10)</li><li>• Pocket 100 Chart</li><li>• Class Number Line *</li></ul> |
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### Grade 3

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| <ul style="list-style-type: none"><li>• Connecting cubes (1000)</li><li>• Pattern blocks (4 sets of 250)</li><li>• Overhead pattern blocks (49) *</li><li>• Geometric Solids (4 sets of 12)</li><li>• Building straws (6 sets of 85) *</li><li>• Red twist ties (2000) *</li><li>• Beginner rulers (2 sets of 12) *</li><li>• Metersticks (8) *</li><li>• \$1 Bills (100) *</li><li>• Coins (5 sets of 96)</li><li>• Overhead coins (47) *</li></ul> | <ul style="list-style-type: none"><li>• Color tiles (2 sets of 400) *</li><li>• Overhead color tiles (48) *</li><li>• Transparent counters (250) *</li><li>• Blank cubes &amp; labels (2 sets of 36)*</li><li>• Wooden cubes (100)</li><li>• Mirrors (3 sets of 4) *</li><li>• Thermometer *</li><li>• Student Clocks (12)</li><li>• Demonstration clock *</li><li>• Class 100 chart</li><li>• Class Number Line</li></ul> |
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**Grade 4**

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| <ul style="list-style-type: none"> <li>• Connecting cubes (1000)</li> <li>• Power Polygons (2 sets of 450) *</li> <li>• Geoboards/rubber bands (2 sets of 10)*</li> <li>• Geometric solids (4 sets of 12) *</li> <li>• Beginner rulers (2 sets of 12) *</li> <li>• Metersticks (8) *</li> </ul> | <ul style="list-style-type: none"> <li>Color tiles (2 sets of 400) *</li> <li>Overhead color tiles (48) *</li> <li>Transparent counters (250) *</li> <li>Coins (2 sets of 96)</li> <li>Blank cubes (2 sets of 36) *</li> <li>Class Number Line *</li> </ul> |
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**Grade 5**

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| <ul style="list-style-type: none"> <li>Connecting cubes (1000)</li> <li>Power Polygons (2 sets of 450)</li> <li>Beginner rulers (2 sets of 12) *</li> <li>Metersticks (8) *</li> <li>Color tiles (2 sets of 400)</li> </ul> | <ul style="list-style-type: none"> <li>Overhead color tiles (48) *</li> <li>Transparent counters (250) *</li> <li>Centimeter cubes (1000) *</li> <li>Blank dot cubes (2 sets of 36) *</li> <li>10,000 Chart (6) *</li> </ul> |
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**Optional materials**

A **Cards Package** provides manufactured decks of the most-used card sets. (These can also be made from Masters in the Resources Binder.)

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| <p><b>Kindergarten</b></p> <ul style="list-style-type: none"> <li>• Arrow Cards (36)</li> <li>• Attribute Cards (4 sets of 48)</li> <li>• Car Cards (54)</li> <li>• Primary Number Cards (12 sets of 48)</li> <li>• Question Mark Cards (36)</li> <li>• Ten-Frames (24)</li> </ul>   |
| <p><b>Grade 1</b></p> <ul style="list-style-type: none"> <li>• Primary Number Cards (12 sets of 48)</li> <li>• <i>Dot Addition</i> Cards (12 sets of 20)</li> <li>• Squares (1 set of 60 singles, 72 pairs, 48 fives)</li> <li>• Fish Sets 1, 2, and 3 (12 sets of 18)</li> <li>• Baby and basketball player steps (4 sets of 37)</li> </ul> |
| <p><b>Grade 2</b></p> <ul style="list-style-type: none"> <li>• Primary Number Cards (12 sets of 48)</li> <li>• Inch-brick &amp; measuring tools (7 sets of 48)</li> <li>• Large Yektti cards (1 set of 32)</li> <li>• 6 sets of Small Yektti cards (32) &amp; Yektti word cards (10)</li> </ul>  |
| <p><b>Grade 3</b></p> <ul style="list-style-type: none"> <li>• Digit Cards (16 sets of 44)</li> <li>• Array Cards (16 sets of 51)</li> <li>• Collection Cards (16 sets of 32)</li> </ul>   |

**Grade 4**

- Digit Cards (16 sets of 19)
- Array Cards (16 sets of 77)
- Decimal Cards (16 sets of 19)
- Multiple Cards (16 sets of 112)

**Grade 5**

- Compare Cards (16 sets of 40)
- Digit Cards (16 sets of 44)
- Fraction Cards (16 sets of 60)
- Decimal Cards (16 sets of 42)

A **Student Math Handbook** illustrates math words and ideas and, in grades 1-5, provides game directions. Available as a hardcover book in Grades 1-5, as a **Flip Chart** in Grades K-2, online, and in both English and Spanish.

A **Spanish Teaching Companion** that presents vocabulary, teacher dialogue, and instructions in Spanish. It includes one page of support per Session.

An **Answer Key**.

A **Student Resources Online Access Pack** that provides access to math words, ideas, and games, as well as *Shapes* (at K-2) and *LogoPaths* (at 3-5). Available in English and Spanish.

A **Teacher Resources Online Access Pack** that provides access to downloadable student software, Resource Masters, Online Activities, an Online Lesson Planner, and more classroom resources. Available in English and Spanish. Other digital resources from Pearson include **Success Tracker Online Access Pack** (Building Administrator or Teacher Edition) and **Examview Assessment Suite CD-Rom** (for grades 1-5 only).

**Note:** All of the above materials are only available through Pearson, the publisher of *Investigations*. Call 1-800-552-2259 or visit [pearsonschool.com/investigations](http://pearsonschool.com/investigations).