Investigations

IN NUMBER, DATA, AND SPACE®

for the Common Core

NSF - Investigations in Number, Data, and Space was developed at TERC and funded in part by the National Science Foundation.
Investigations is intentionally designed and sequenced to promote a deep understanding of mathematics — making it uniquely suited to implement the Common Core State Standards.
Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Investigations helps you implement the Common Core State Standards by connecting the Standards for Mathematical Content to the 8 Standards for Mathematical Practice.
In every session, students explain, represent, and justify their thinking. Reasoning and proving support later work in algebra.

The Standards for Mathematical Practice are deeply embedded in the Investigations curriculum. These practices promote active thinking and learning.

There’s more than one way to solve it.

Students learn to compare methods and use a range of strategies and algorithms to solve problems.
Computational Fluency

Close to 100

The “Close to 100” game develops strategic thinking and provides meaningful practice.

Investigations helps you teach all Standards for Mathematical Content. Students actively explore mathematical ideas to develop understanding and fluency.

Rigorous and engaging math Games spark strategic mathematical thinking, provide meaningful practice, and help you observe and assess students.

Want to play? Download the App today!
Teach students place value through the Close to 20, Close to 100, and Close to 1000 games. Now available for your iPhone®!
www.pearsonschool.com/investigations
Increase student engagement and motivation. *Investigations for the Interactive Whiteboard* energizes teaching and gives students a dynamic, visual learning experience.

**Wired for learning**

- 10-Minute Math
- Classroom Routines
- Interactive games and activities
- Manipulative tools
- Small-group or whole-group
- Scaffold learning
- Edit and save feature
- Directly support daily lessons

Tap the card deck to draw a card.
Drop the cards to move them anywhere on the screen.
To remove a card, tap it and choose “Delete” from the drop down menu.
“Tap a Recording Sheet button to record players’ equations and scores for each round.”
For each Investigation

- Information about the mathematics
- Assess student understanding
- Embedded ELL instruction
- Blackline masters
- Quizzes
Investigations includes everything needed to implement the Common Core State Standards. The Instructional Plan is clear, realistic, and manageable.

New Sessions and Activities Build on existing content to introduce new ideas.
There are 44 teams and 35 people on each team. How many football players are there?

There are 49 teams in the youth football league. Each team has 16 players. How many soccer players are there?

There are 68 teams at the soccer tournament. Each team has 28 players. How many football players are there?

What addition fact am I?

How many students are there?
Pearson is 100% committed to helping you transition to the Common Core. Together, we are Always Learning.

Online Tutorials
Go online 24/7 for program tutorials, including model lessons and a walk-through of the digital courseware.

On-Site Professional Development
Get job-embedded coaching, feedback, and guidance that will make you a better teacher. Attend one of our workshops.

- Foundational Overview of the Common Core State Standards for Mathematics
- The Mathematical Practices of the Common Core
- Performance-based Assessment for Mathematics
- Using the Common Core in a Standards-based Classroom

See more @ pearsonpd.com
Phone: 1-877-637-1604

TERC Author Support
The authors of Investigations invite you to attend workshops and institutes by TERC. Learn more at: http://investigations-workshops.terc.edu/

pearsonschool.com/investigations