## hand ${ }^{\text {mind }}$

# Hands-On Standards 

Step-by-step lesson plans target key concepts


# Hands-On Standards 

# Build Problem Solving Skills by Teaching Math with Manipulatives 

Our Hands-On Standards offerings are designed to deepen understanding of key math concepts by using manipulatives and scaffolded lessons to help students learn how to construct their own cognitive models for abstract mathematical ideas and processes. You can purchase each of the 4 components separately or as a bundle that also includes a classroom manipulative kit.

## Daily Problem Solving

What is it? A year-long daily routine focused on problem solving and critical thinking skills. Each week students solve a progressing series of problem types aligned to key math skills. Includes 180 word problems and 36 corresponding student activities. Additional digital content is included at purchase and then available on a subscription basis.

Why It Works: Develops problem-solving skills that allow students to successfully solve and understand multistep problems in any situation.


## Math Mini-Lessons

What is it? Supplemental 15-30 minute, hands-on lessons that easily incorporate the use of manipulatives. Includes embedded support, formative assessment questions, and student pages for each lesson.
42 lessons per grade. Limited eBook license is included.
Why It Works: Students build a deeper understanding of key math concepts by using manipulatives as they progress through Concrete-Representational-Abstract lessons.

## Math Intervention

What is it? Targeted, scaffolded lessons that mirror the layout of Math Mini-Lessons and focus on the use of manipulatives. Includes unit assessments and progress monitoring tool. Limited eBook license is included.

Why It Works: Teachers can easily reinforce concepts with lessons designed to deepen understanding and increase proficiency for students at any ability level.



## Learning at Home Math Kits

What is it? 6 weeks of daily practice and games aligned to grade-level concepts. Includes activity book with embedded parent support and manipulatives.

Why It Works: Hands-on activities engage learners in quality skills practice that reinforces key concepts and bridges the gap between school and home. Keep families engaged in learning!

## Hands-On Standards ${ }^{\circledR}$ Teaching Math With Manipulatives Bundles

This easy-to-use, supplemental resource helps integrate hands-on learning into all areas of the math block. Each grade-level bundle includes Daily Problem Solving, Math Mini-Lessons, Math Intervention: Number \& Operations, Math Intervention: Geometry, Measurement \& Data, a Classroom Manipulatives Kit, and 24 Learning at Home Math Kits. $\Delta$ small parts. (t) Not for < 3 yrs.

| 93890 | Kindergarten Bundle |
| :--- | :---: |
| 93891 | Grade 1 Bundle |
| 93892 | Grade 2 Bundle |



## From Skip Fennel Ph.D.; D.H.L.

Hands-On Standards is a classroom necessity that supplements curriculum by using manipulative materials as an everyday instructional tool with connection to mathematics concepts, procedures, and problem solving.

Skip Fennell is an industry-leading author, speaker, and educator who has dedicated his professional life to mathematics and has greatly influenced what math is taught and how it is taught in today's classroom.

# Hands-On Standards ${ }^{\circ}$ <br> Daily Problem Solving 

## Develop critical thinking and problem solving skills

Helps students learn how to reason through and solve different types of word problems (multisolution, numberless, and single solution) and then create their own word problems while reinforcing key grade-level math skills.

- Covers a full school year using 180 Problem Solving Cards grouped into sets that focus on reinforcing key grade-level math skills.
- Each problem includes detailed instructional support and incorporates a manipulative for a completely hands-on experience.
- Students record their answers on Activity Pages (blackline masters are included).
- Additional digital content (videos and digital word problems) is included at purchase and then available on a subscription basis.

Hands-On Standards ${ }^{\circledR}$
Daily Problem Solving

| $\mathbf{9 3 5 7 0}$ | Grade K |
| :--- | :--- |
| 93571 | Grade 1 |
| 93572 | Grade 2 |



## Hands-On Standards ${ }^{\circ}$ <br> Mini-Lessons

## Develop critical thinking and problem solving skills

Deepen student understanding of 42 key, grade-specific math concepts using manipulatives.

Photo-illustrated Teacher Guides include 42 detailed, standards-aligned lesson plans. Each lesson includes a reproducible, student-facing activity page; a formative assessment question; and support for English Language Learners. Limited eBook license is included.

| 93449 | Grade PreK |
| :--- | :---: |
| 93450 | Grade K |
| 93451 | Grade 1 |
| 93452 | Grade 2 |




## Hands-On Standards ${ }^{\circledR}$ <br> Intervention: Number \& Operations

## Target topics students find challenging

Focus is on specific, grade-level number and operations concepts students often find challenging.

Photo-illustrated Teacher Guides include 20 detailed, standards-aligned lesson plans. Each lesson incorporates a manipulative and includes reproducible pages for student-facing activities and assessment along with support for English Language Learners and areproducible progress monitoring sheet. Limited eBook license is included.

| $\mathbf{9 3 4 6 0}$ | Grade K |
| :--- | :--- |
| 93461 | Grade 1 |
| 93462 | Grade 2 |




# Hands-On Standards ${ }^{\circ}$ Intervention: Geometry, Measurement \& Data 

Focus is on specific, grade-level geomety, measurement, and data concepts students often find challenging.

Photo-illustrated Teacher Guides include 20 detailed, standards-aligned lesson plans. Each lesson incorporates a manipulative and includes reproducible pages for studentfacing activities and assessment along with support for English Language Learners and a reproducible progress monitoring sheet. Limited eBook license is included.

| $\mathbf{9 3 4 9 0}$ | Grade K |
| :--- | :--- |
| 93491 | Grade 1 |
| 93492 | Grade 2 |

## Sample Lessons

 hand2mind.com/hos

## Hands-On Standards ${ }^{\circ}$ Manipulative Kits

- Encourage students to work cooperatively.
- Simplify the management of classroom materials.
- Packed in sturdy plastic totes.

Small Group Kits
Include enough manipulatives for 6 students working cooperatively. Packed in 1 plastic storage tote.

Hands-On Standards Teaching Math with Manipulatives

| 93469 | Grade PreK |
| :--- | :---: |
| 93470 | Grade K |
| 93471 | Grade 1 |
| 93472 | Grade 2 |



Hands-on Standards Classroom Kits
Include all the manipulatives needed for 24 students working cooperatively to complete the lessons in all 4 classroom-based components of Hands-on Standards Teaching Math With Manipulatives. Packed in 4 plastic storage totes.

| $\mathbf{9 3 5 1 9}$ | Grade PreK |
| :--- | :---: |
| $\mathbf{9 3 5 2 0}$ | Grade K |
| $\mathbf{9 3 5 2 1}$ | Grade 1 |
| $\mathbf{9 3 5 2 2}$ | Grade 2 |

Hands-On Standards® Learning at Home Math Kits
Extend learning and make math accessible for all students

These kits provide fun, accessible math practice that reinforces key grade-level math concepts with hands-on manipulatives and activities. They feature 54 hands-on math activities, 6 engaging games, and all necessary manipulatives.

The Learning at Home Math Kits help meet each individual student's needs for on-level review, challenge, or remediation. Use the current grade level as a base and easily differentiate to meet a student's needs by moving up or down a grade level as needed.

Math Intervention: Geometry, Measurement \& Data

| 93500 | Grade K |
| :--- | :--- |
| 93501 | Grade 1 |
| 93502 | Grade 2 |

Grade 2

Grades
PreK-?

Math Intervention: Number Operations 93480 $\qquad$ Grade K 348 3482

Grade 1 Grade 2
$\square$ Grade 2

