

Key Education Publishing
Standards Correlation for *Learning 123's Through Literature and Rhymes*
Games, Activities, Patterns, Rhymes, and Stories to Make Learning Numbers Fun!

This book supports the NCTM Principles and Standards for School Mathematics, the NCTE/IRA Standards for the English Language Arts, and the recommended teaching practices outlined in the NAEYC/IRA position statement Learning to Read and Write: Developmentally Appropriate Practices for Young Children

NCTM Principles and Standards for School Mathematics

This product and the activities in it support the following Number and Operations Standard Expectations for Grades Pre-K--2:

- 1. Students count and recognize the number of objects in a set.** *Learning 123's Through Literature and Rhymes* contains activities that help students learn to count and recognize objects in sets up to 12.
- 2. Students understand the relative position and size of ordinal and cardinal numbers.** Numbers are presented in sequential order in this book, reinforcing this concept. In addition, activities are included that specifically address ordering and comparing numbers.
- 3. Students connect number words to numerals and to the quantities they represent using different physical representations.** *Learning 123's Through Literature and Rhymes* includes many activities that require students to know the relationship between number words, numerals, and numbers of objects.
- 4. Students understand and represent common fractions, such as $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$.** *Learning 123's Through Literature and Rhymes* has an entire chapter on fractions that focuses on these skills.
- 5. Students understand the meanings of addition and subtraction of whole numbers and how the two operations relate to each other.** Several activities in this book support the conceptual understanding of addition and subtraction.
- 6. Students understand what happens when they add or subtract whole numbers.** Several activities in *Learning 123's Through Literature and Rhymes* illustrate the effects of addition and subtraction.
- 7. Students use a variety of strategies for whole-number computation, focusing on addition and subtraction.** Addition and subtraction strategies introduced in *Learning 123's Through Literature and Rhymes* include drawing pictures, counting up and down, and using concrete objects.

This product and the activities in it support the following Algebra Standard Expectations for Grades Pre-K--2:

- 1. Students sort, classify, and order objects by a variety of properties.** In *Learning 123's Through Literature and Rhymes*, students sort and classify objects according to color, type, and other attributes.
- 2. Students recognize, describe, and extend simple sound, shape, or numeric patterns and change patterns from one form to another.** In the paper chain activity in this book, students learn to identify color and number patterns.

This product and the activities in it support the following Measurement Standard Expectations for Grades Pre-K--2:

- 1. Students recognize the characteristics of length, volume, weight, area, and time.** In *Learning 123's Through Literature and Rhymes*, there are chapters devoted to time and to length measurement.
- 2. Students compare and order objects according to length, volume, weight, area, and/or time.** The time and measurement chapters include comparison activities.
- 3. Students measure using standard and nonstandard units.** In the time chapter, students practice telling time to the hour, and in the measurement chapter, students measure length using both standard and nonstandard units.

4. **Students measure with multiples of units of the same size, such as shoes, laid end to end.** In *Learning 123's Through Literature and Rhymes*, students measure length using units such as their own feet and lengths of string.
5. **Students repeat a single unit to measure something larger than that unit, such as measuring the length of a playground with a single yardstick.** In the measurement chapter, students measure objects with multiple lengths of the same unit.

NCTE/IRA Standards for the English Language Arts

Each activity in this book supports one or more of the following standards:

1. **Students read many different types of print and nonprint texts for a variety of purposes.** To do the activities and games in this book, students read words, numbers, and images.
2. **Students communicate in spoken, written, and visual form, for a variety of purposes and a variety of audiences.** In *Learning 123's Through Literature and Rhymes*, students communicate verbally by chanting rhymes, playing games, and participating in conversations, and they communicate visually by drawing and doing other art projects.
3. **Students become participating members of a variety of literacy communities.** In *Learning 123's Through Literature and Rhymes*, there are group games and group rhyming activities all focused on math that help teachers build literacy communities.

NAEYC/IRA Position Statement Learning to Read and Write: Developmentally Appropriate Practices for Young Children

Each activity in this book supports one or more of the following recommended teaching practices for preschool students:

1. **Adults create positive relationships with children by talking with them, modeling reading and writing, and building children's interest in reading and writing.** While participating in the math-focused rhyming activities and discussions in *Learning 123's Through Literature and Rhymes*, teachers model reading for students and promote conversations with students, building interest in both literacy and math.
2. **Teachers provide and draw children's attentions to print-rich learning environments.** The bulletin board ideas in *Learning 123's Through Literature and Rhymes* help teachers create print-rich learning environments.
3. **Teachers read to children daily, both as individuals and in small groups. They select high-quality, culturally diverse reading materials.** Each chapter in *Learning 123's Through Literature and Rhymes* includes several suggestions for books relating to numbers and math for teachers to read to students.
4. **Teachers provide opportunities for children to discuss what has been read to them, focusing on both language structure and content.** There are suggestions for discussions relating to each literature selection in *Learning 123's Through Literature and Rhymes*.
5. **Teachers promote the development of phonemic awareness through appropriate songs, finger plays, games, poems, and stories.** There are many rhymes in *Learning 123's Through Literature and Rhymes* that promote phonemic awareness in addition to reinforcing number concepts.
6. **Teachers provide experiences and materials that help children expand their vocabularies.** The rhymes, literature suggestions, games, and other activities in *Learning 123's Through Literature and Rhymes* help children enhance their vocabularies related to mathematics and related to the other themes presented in the book.

Each activity in this book supports one or more of the following recommended teaching practices for kindergarten and primary students:

- 1. Teachers read to children daily and provide opportunities for students to read independently both fiction and nonfiction texts.** *Learning 123's Through Literature and Rhymes* includes many literature suggestions related to mathematics for teachers to read to their students and for students to read independently.
- 2. Teachers provide opportunities for children to work in small groups.** There are many small group activities and games included in *Learning 123's Through Literature and Rhymes*.
- 3. Teachers provide challenging instruction that expands children's knowledge of their world and expands their vocabularies.** The rhymes, literature suggestions, games, and other activities in *Learning 123's Through Literature and Rhymes* help children enhance their vocabularies related to mathematics and related to the other themes presented in the book.