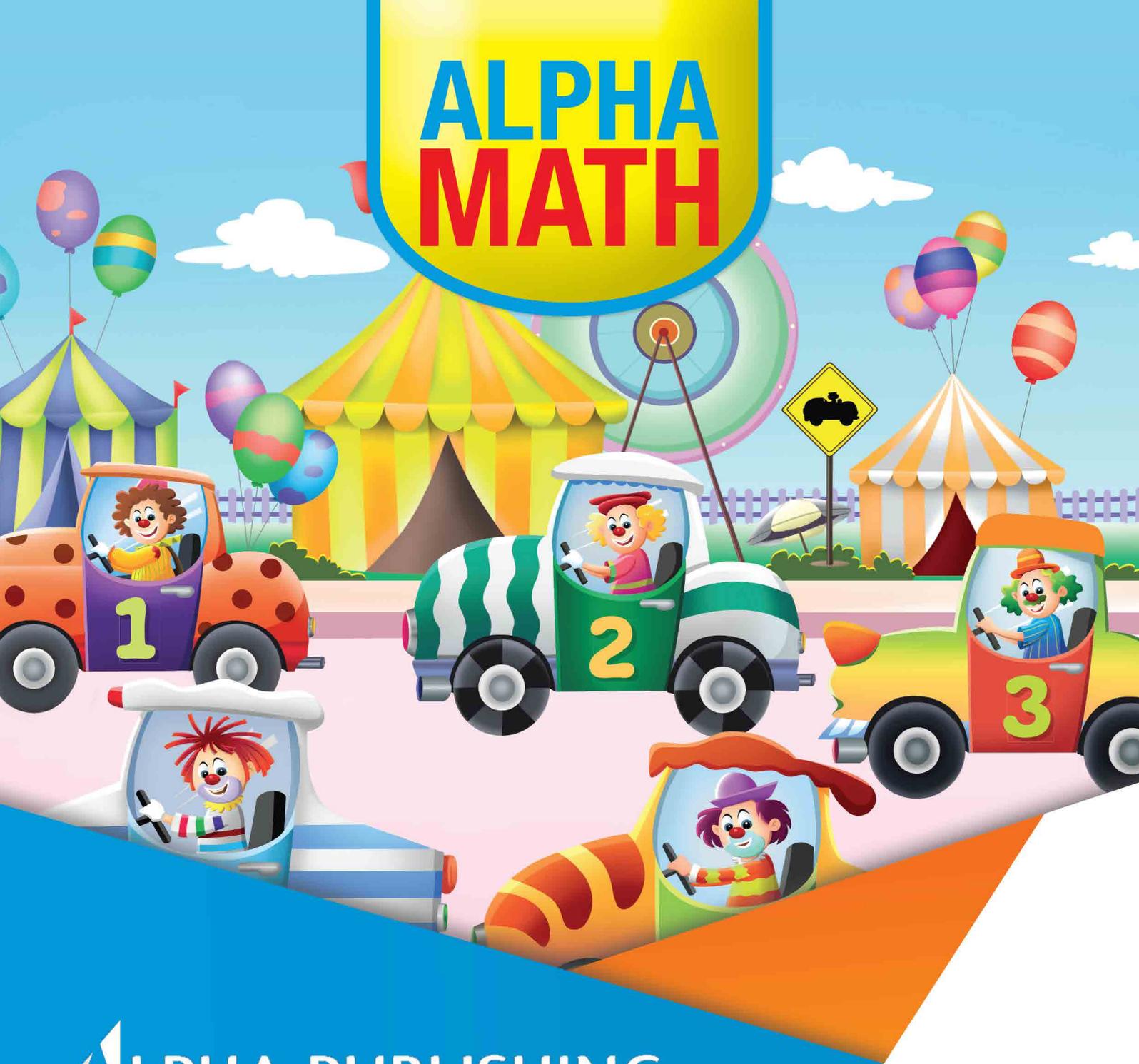


ALPHA MATH



 ALPHA PUBLISHING

Alpha K Math
Grades K1 & K2 Brochure

Welcome to Alpha Publishing

Alpha Publishing believes that children and adults have the right to a quality education. Continuous learning is the best means of improving the lives of individuals and enhancing the standards and quality of our communities.

Our mission is to provide educational materials and courses across Africa, Asia, the Middle East and Latin America that meet international standards while also reflecting and incorporating the cultures and traditions of the region.

Our dedicated publishing teams are mindful of the different types of learners who come from various national and cultural backgrounds; therefore, our publishing strategy is driven by the motto: **"We are in the Region, for the Region."** We pay the utmost attention to the delivery of globally recognized and culturally appropriate content and innovative teaching tools not just in our books but through **eAlpha**, our digital CLMS platform.



Lifelong Learning

We make constant endeavors to bring global experience, expertise, and best practices to what we publish, while bearing in mind the region's current and future learning and teaching requirements.



Innovative and Futuristic

We ensure that all of our products are based on the latest research in education and make the mission of international standards a reality. We are committed to delivering both traditional print and innovative, interactive online educational experiences.



Latest Technology

We put great stock in the importance of technology to produce cutting-edge programs and courses for the educational transformation of the community.



Results-Oriented

At Alpha, we know that enhancing teaching and learning outcomes is a key element for measurable impacts.



Publishing Excellence

We guarantee that what we publish is reliable and trustworthy, both globally and regionally.

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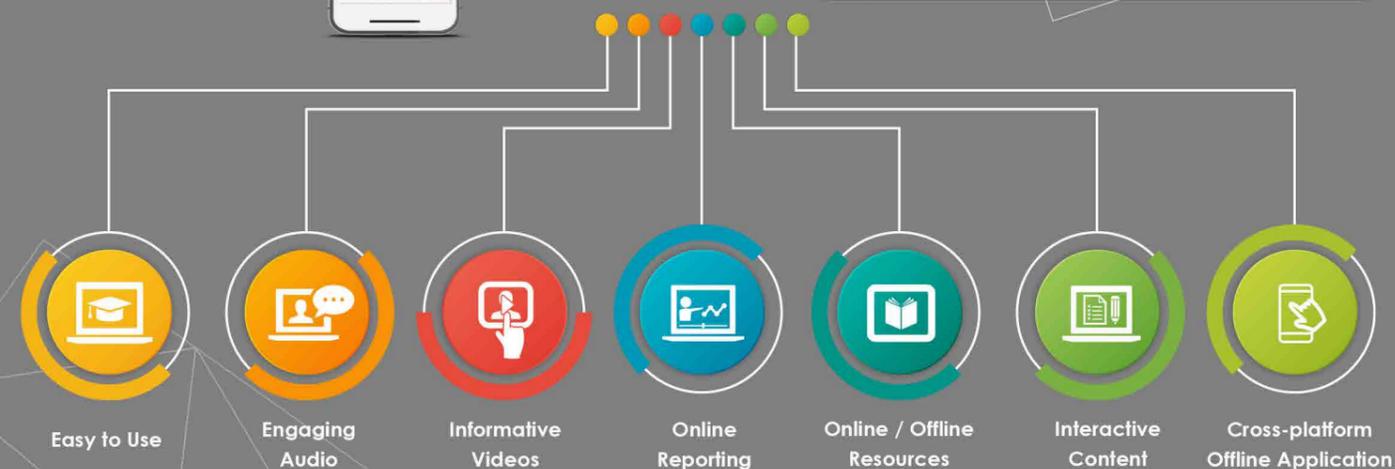
 [alpha publishing](https://www.youtube.com/channel/UC...)



Mobile eLearning Platform

www.eAlpha.info

Alpha's Content Learning Management System for both students and teachers gives access to premium interactive lessons and resources to create virtual classrooms for all students both online and offline. eAlpha makes learning a personalized, exciting and enriching experience.



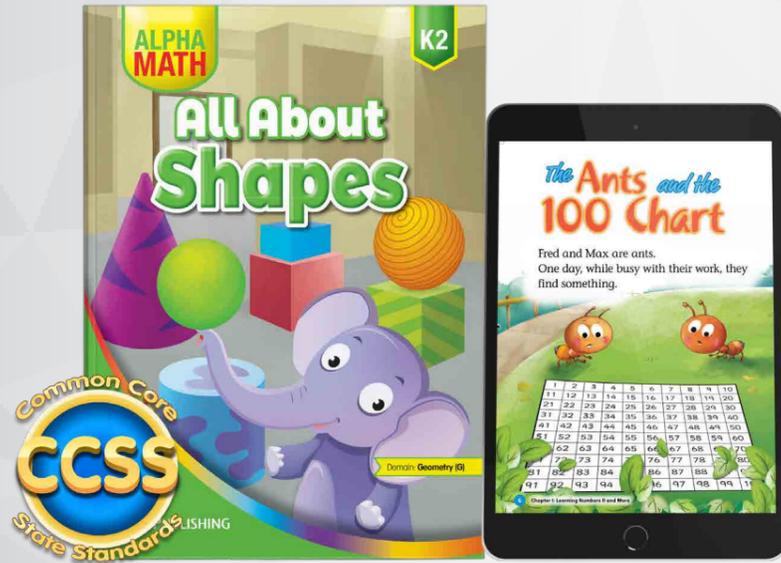
Available on the  **App Store**

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Alpha K Math

Grades K1 & K2



- American English
- Video Clips
- Online Reporting
- Online Resources
- Interactive Content
- Alpha + PhET Sims

Alpha Math for Grades K1 and K2 is a comprehensive, CCSS-based approach to teaching math readiness skills to children in their first and second years of Kindergarten.

K1 is made up of four volumes that each cover one of the four K1 CCSS math domains. They teach numbers, addition and subtraction, size of objects, and shapes.

K2 has five volumes that each cover one of the five K2 CCSS math domains. They continue teaching numbers and delve deeper into addition and subtraction, measurements, and identification of shapes.

Student Book

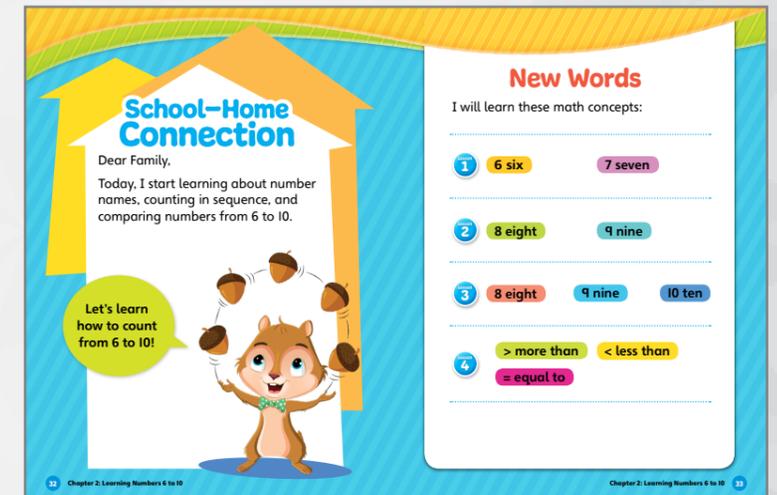
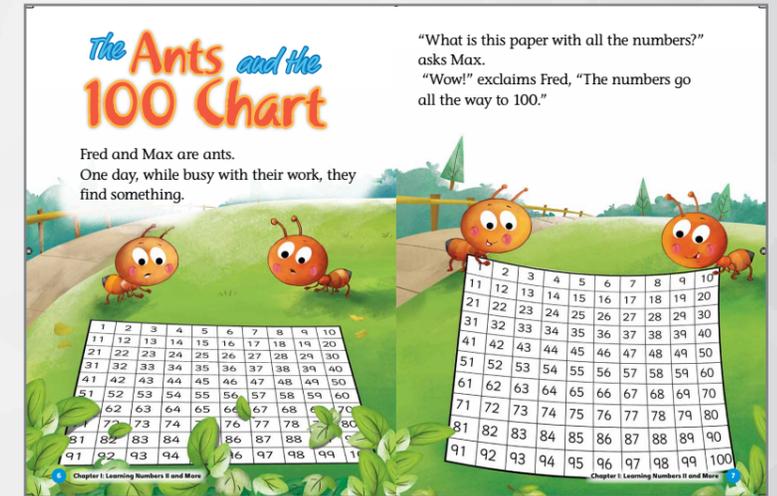
The colorful and beautifully illustrated Student Books are based on the domains of CCSS. Alpha Kindergarten Math is presented in individual volumes for:

- **Numbers 0 through 10**
(Domain: Counting and Cardinality)
- **Adding and Subtracting**
(Domain: Operations and Algebraic Thinking)
- **Big or Small, Short or Tall?**
(Domain: Measurement and Data)
- **All About Shapes**
(Domain: Geometry)

with

- **Numbers Past 10**
(Domain: Number & Operations in Base Ten) added in K2

The volumes are purposely not numbered to allow the teacher to decide the order of topics. The organization of volumes according to CCSS domains provides great flexibility.



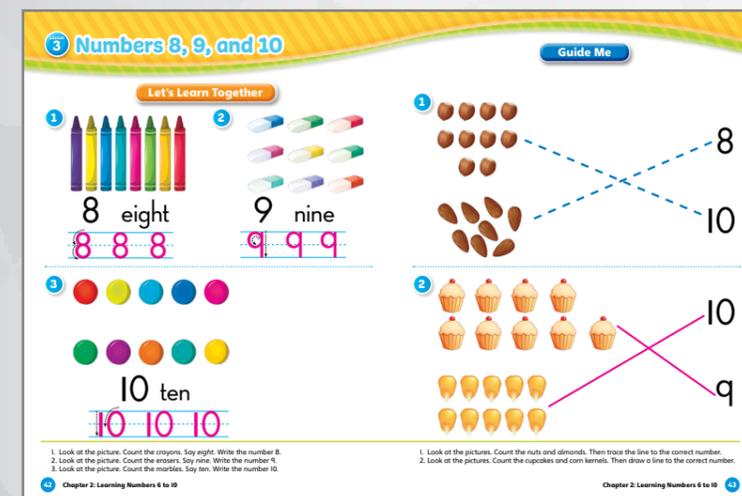
Key Features

- One Common Core math domain per volume
- Opportunity to connect math instruction to themes and other subjects
- Math flash cards for enriched learning experience
- Exercises and tips to support School-Home connection and parental involvement
- Step-by-step, scaffolded teaching instructions to gradually introduce concepts and plan lessons with ease
- ExamView assessment generator for creating, assigning, and scoring tests, quizzes, and more
- Available both online and offline on eAlpha, your dynamic and interactive Learning Management System

Practice Book

Each lesson is accompanied by extended in-class activities that children can complete independently or as homework. The easy-to-follow and fun practices enhance the concepts learned during the lesson and allow children to explore new ideas at their own pace.

The Practice Book covers all the CCSS domains and contains two pages of additional practice per lesson.



Teacher Guide

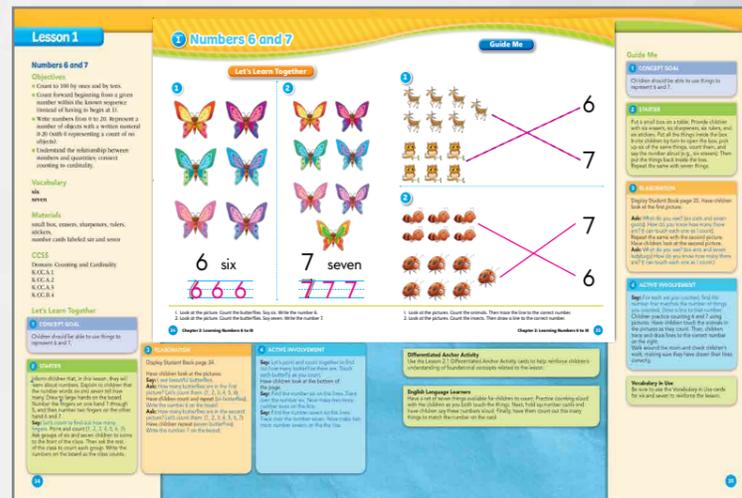
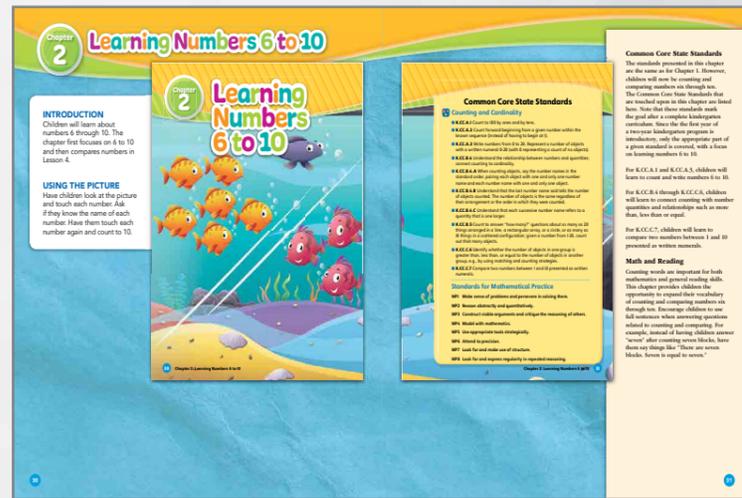
The spiral-bound Teacher Guide provides a wealth of background and support information to ensure success in the classroom.

Key features include:

Planners (Unit Plan and Lesson Plan); Chapter Support in the form of the Chapter Introduction; CCSS Guidance; list of suggestions for linking Math concepts and reading; School-Home Connection letter; Instructions for New Words; The Vocabulary In Use Cards; and further links to Math and Reading through the Math Story.

The wrap-around Teacher Guidance for each lesson includes:

Lesson Plan, with the CCSS-based objectives, materials list for the lesson, and vocabulary words; Concept Goals for what children should be able to do after the lesson; and Instructions for Introducing and Elaborating on the lesson concept.



Lesson	CCSS	Domain	Objectives	Vocabulary	Materials
Lesson 1 Numbers 6 and 7 Pages 38-37	K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.A.4	Counting and Cardinality	<ul style="list-style-type: none"> Count to 100 by ones and by tens. Count forward beginning from a given number within the known sequence (instead of starting at 1). Write numbers from 6 to 10. Represent a number of objects with a written numeral (0-10) (representing a count of the objects). Understand the relationship between numbers and quantities; connect counting to cardinality. 	<p>seven</p>	<ul style="list-style-type: none"> small box, cones, chopsticks, rods, sticks, number cards labeled six and seven
Lesson 2 Numbers 8 and 9 Pages 38-37	K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.A.4	Counting and Cardinality	<ul style="list-style-type: none"> Count to 100 by ones and by tens. Count forward beginning from a given number within the known sequence (instead of starting at 1). Write numbers from 6 to 10. Represent a number of objects with a written numeral (0-10) (representing a count of the objects). Understand the relationship between numbers and quantities; connect counting to cardinality. 	<p>eight nine</p>	<ul style="list-style-type: none"> number cards labeled eight and nine
Lesson 3 Numbers 10, 11, and 12 Pages 42-41	K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.A.4	Counting and Cardinality	<ul style="list-style-type: none"> Count to 100 by ones and by tens. Count forward beginning from a given number within the known sequence (instead of starting at 1). Write numbers from 6 to 10. Represent a number of objects with a written numeral (0-10) (representing a count of the objects). Understand the relationship between numbers and quantities; connect counting to cardinality. 	<p>ten eleven twelve</p>	<ul style="list-style-type: none"> different colored construction paper, cones, dice, pencils, counters, three small baskets, buttons, eggs, square blocks
Lesson 4 Compare Numbers through 10 Pages 48-47	K.CC.B.1 K.CC.B.2 K.CC.B.3 K.CC.B.4	Counting and Cardinality	<ul style="list-style-type: none"> Compare two objects (one longer than the other, one taller than the other, one heavier than the other, one wider than the other, one thicker than the other, one louder than the other, one faster than the other, one smoother than the other, one softer than the other, one spongier than the other, one squishier than the other, one stickier than the other, one shinier than the other, one smoother than the other, one softer than the other, one spongier than the other, one squishier than the other, one stickier than the other, one shinier than the other). Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group (e.g., by using matching and counting strategies). 	<p>more than less than equal to</p>	<ul style="list-style-type: none"> number cards labeled 1 through 10, counters (one different color), number cubes, connector paper

Unique to Alpha K Math is the inclusion of Active Involvement, activities that reinforce the lesson concept through some type of movement or engagement for children, and instruction for supporting English Language Learners.

Ancillaries

Differentiated Anchor Activity Cards

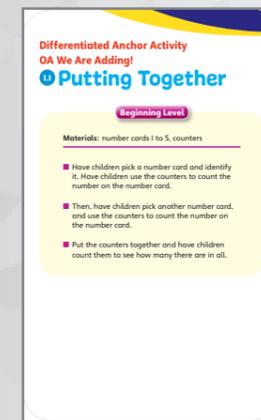
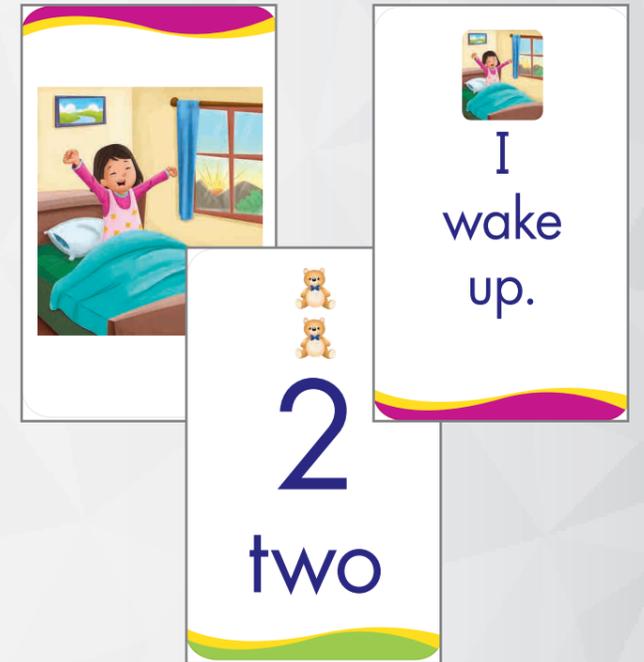
Three fun differentiated activities that open each lesson and provide a preview of concepts covered within each volume.

Multiple Intelligences Cards

Suggestions for accommodating different learning styles in the classroom based on Howard Gardner's Theory of 8 Multiple Intelligences.

Exit Cards

An end-of-lesson activity that can be used as a quick formative assessment to check students' understanding.

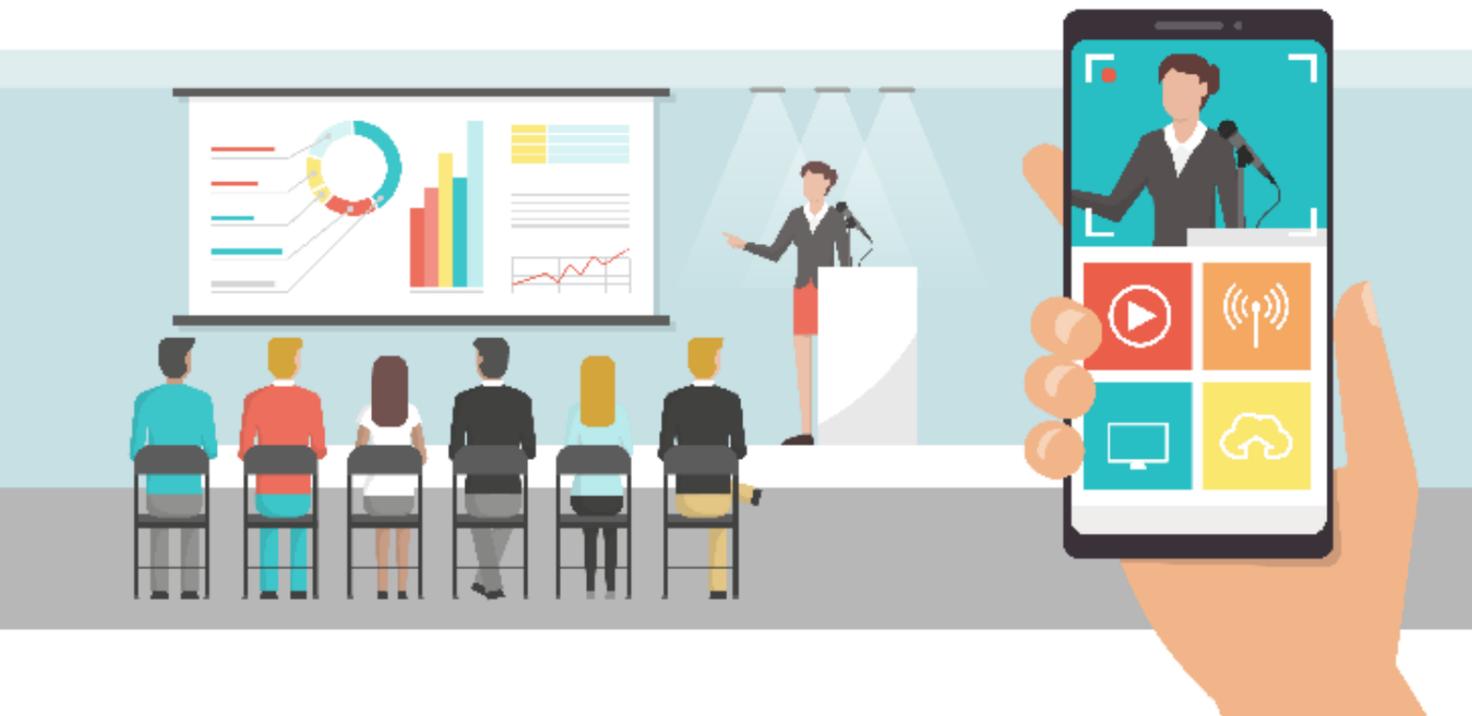


Supplemental Cards

A set of useful and colorful supplementary flash cards are available for use at the teacher's discretion. They include:

- Vocabulary In Use Cards - K1
- Vocabulary In Use Cards - K2
- Math Symbol Cards - K2
- Numbers Only Flash Cards (1-100) - K1 & K2
- Number Cards with Images (1-10, multiple sets) - K1 & K2
- Number Flash Cards (1-10, 20, 30, 40, 50, 60, 70, 80, 90, 100) - K1 & K2
- Daily Routine Flash Cards - K1 & K2

Professional Development & Product Training



Providing ongoing professional development for educators is one of the most critical success factors for better learning and teaching outcomes.

Alpha Publishing, in partnership with KDSL Global and a selection of independent trainers, provides specifically tailored program training and practice sessions, along with leadership and school management courses, for teachers and institutions, via distance learning or at site events.

For more information about professional development and product training please visit www.alphapublishing.com or call +971 4 391 8658.

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