

parent ROADMAP

SUPPORTING YOUR CHILD IN KINDERGARTEN
ENGLISH LANGUAGE ARTS





*America's schools
are working
to provide higher
quality instruction
than ever before.*

The way we taught students in the past simply does not prepare them for the higher demands of college and careers today and in the future. Your school and schools throughout the country are working to improve teaching and learning to ensure that all children will graduate high school with the skills they need to be successful.

In English language arts and literacy, this means three major changes. Students will continue reading and writing. But in addition to stories and literature, they will read more texts that provide facts and background knowledge in areas including science and social studies. They will read more challenging texts and be asked more questions that will require them to refer back to what they have read. There will also be an increased emphasis on building a strong vocabulary so that students can read and understand challenging material.

What your child will be learning in kindergarten English language arts and literacy




In kindergarten, students will learn the alphabet and the basic features of letters and words. They will break down spoken and written words into syllables and letters and identify the sounds each letter makes. These important skills will enable your child to learn new words and to read and understand simple books and stories. Students will also learn to write and share information in a variety of ways, including drawing, writing letters and words, listening to others, and speaking aloud. Activities in these areas will include:

- Naming and writing upper- and lowercase letters
- Matching letters to sounds and using other methods to figure out unfamiliar words when reading and writing
- Learning and using new words
- Identifying words that rhyme
- Reading common words such as *the*, *of*, *you*, *are*, *she*, and *my*
- Asking and answering questions about a story the teacher reads out loud
- Identifying characters, settings, and major events in a story
- Recognizing the person, place, thing, or idea that an illustration shows
- Participating in discussions by listening and taking turns speaking
- Using a combination of drawing, speaking, and writing to describe an event, give information about a topic, or share an opinion
- Taking part in shared reading, writing, and research projects
- Expressing thoughts, feelings, and ideas clearly

Partnering with your child's teacher

Don't be afraid to reach out to your child's teacher—you are an important part of your child's education. Ask to see a sample of your child's work or bring a sample with you. Ask the teacher questions like:

- Is my child learning to read and write?
- What are my child's strengths and weaknesses?
- What can I do at home to make sure that my child is successful?



In kindergarten, students will read stories and poems. Additionally, they will read to learn information about history, the world, science, and other areas. Here are just a few examples of how your child will develop important reading skills across grade levels.

READING LITERATURE

Kindergarten Reading

- With help from the teacher, students retell stories, including key details.
- With help from the teacher, students name the author and illustrator of a story and define the role of each in telling the story.

Grade One Reading

- Students retell stories, including key details, and show that they understand the lesson or moral of a story.
- Students identify who is telling the story at various points in a text.

Grade Two Reading

- Students retell stories and determine their central message, lesson, or moral.
- Students acknowledge differences in the points of view of characters, including by speaking in a different voice for each character when reading dialogue aloud.

READING FOR INFORMATION

Kindergarten Reading

- With help from the teacher, students ask and answer questions about key details in a text.
- With help from the teacher, students identify what person, place, thing, or idea a picture shows.

Grade One Reading

- Students ask and answer questions about key details in a text.
- Students use the illustrations and details in a text to describe key ideas.

Grade Two Reading

- Students ask and answer such questions as *who, what, where, when, why, and how* to demonstrate understanding of key details in a text.
- Students explain how specific images or illustrations (such as a diagram of how a machine works) are useful.



Students will read more challenging texts and materials as they progress through grade levels.

Writing tasks in kindergarten may include short compositions that tell a story, share an opinion, or present information. Here are just a few examples of how your child will develop important writing skills across grade levels.

Kindergarten Writing

- Using a combination of drawing, dictating, and writing, students name what they are writing about and supply some information about the topic.

Grade One Writing

- Students name a topic and supply some facts about the topic.
- Students provide some sense of closure.

Grade Two Writing

- Students introduce a topic and use facts and definitions to develop points.
- Students provide a concluding statement or section.



Some writing guidelines may seem similar from year to year. However, with practice at each grade level, students continue to learn and apply the rules of standard written English and to strengthen and expand their vocabulary, use of language, and organization of ideas.



Helping your child learn outside of school



1. Read to your child and have him or her read to you every day for at least 15 minutes. Pick out words that might be new to your child or words that have multiple or complex meanings. Discuss those words and how they add to what the writer is saying.
2. Ask your child to retell a story in his or her own words by telling what happened first, second, third, etc.
3. Ask your child to think about what the message of a story may be or what he or she learned from an informational book or article.
4. Look for opportunities in everyday places to build your child's vocabulary.
5. Be sure your child has a library card. Children should select books in which they are interested to develop a passion for reading. Many libraries have book clubs and family activities that make reading fun for the entire family.
6. Use technology to help build your child's interest in reading. There are several websites where students can read books or articles online. The computer will help with words the student cannot read independently. Libraries also have computers students can use to access those sites. Feel free to ask a librarian or teacher for suggestions.

Additional Resources



For more information on the Common Core State Standards for English language arts and literacy, go to <http://www.corestandards.org/about-the-standards/key-points-in-english-language-arts> or <http://www.commoncoreworks.org>.

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SUPPORTING YOUR CHILD IN KINDERGARTEN
MATHEMATICS





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In mathematics, this means three major changes. Teachers will concentrate on teaching a more focused set of major math concepts and skills. This will allow students time to master key math concepts and skills in a more organized way throughout the year and from one grade to the next. It will also call for teachers to use rich and challenging math content and to engage students in solving real-world problems in order to inspire greater interest in mathematics.

What your child will be learning in kindergarten mathematics

In kindergarten, your child will focus primarily on two important areas. The first is learning numbers and what numbers represent. The second is addition and subtraction. Students will also learn to identify and work with shapes. Activities in these areas include:

- Counting how many objects are in a group and comparing the quantities of two groups of objects
- Comparing two numbers to identify which is greater or less than the other
- Understanding addition as putting together and subtraction as taking away from
- Adding and subtracting very small numbers quickly and accurately
- Breaking up numbers less than or equal to 10 in more than one way (for example, $9=6+3$, $9=5+4$)
- For any number from 1 to 9, finding the missing quantity that is needed to reach 10
- Representing addition and subtraction word problems using objects or by drawing pictures
- Solving addition and subtraction word problems involving numbers that add up to 10 or less or by subtracting from a number 10 or less



Partnering with your child's teacher

Don't be afraid to reach out to your child's teacher—you are an important part of your child's education. Ask to see a sample of your child's work or bring a sample with you. Ask the teacher questions like:

- Is my child at the level where he/she should be at this point of the school year?
- Where is my child excelling?
- What do you think is giving my child the most trouble? How can I help my child improve in this area?
- What can I do to help my child with upcoming work?

Here are just a few examples of the skills and strategies students will develop as they solve word problems in kindergarten.

Kindergarten Mathematics

- Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (such as claps), acting out situations, verbal explanations, expressions, and equations
- Solve word problems by adding or subtracting numbers up through 10 using objects and drawings



Grade One Mathematics

- Solve word problems by adding or subtracting numbers up through 20
- Solve addition and subtraction problems for different unknown numbers ($20 - ? = 15$, $9 + 4 = ?$)

Grade Two Mathematics

- Solve one- and two-step word problems by adding or subtracting numbers up through 100

Examples of Kindergarten Word Problems

 Addition	Three red apples and three green apples are on the table. How many apples are on the table?
 Subtraction	Mom has ten apples. She gives one to Mary Ann. How many apples are left?

In kindergarten your child will use a variety of pictures and models to understand and solve addition and subtraction problems.



Here are just a few examples of how students will work with numbers and learn to think of ten as a unit—important building blocks for understanding place value.

Kindergarten Mathematics

- Count to 100 by ones and tens
- Understand that numbers from 11 to 19 contain a ten and some leftover ones (for example, $14=10+4$)

Grade One Mathematics

- Understand that 10 can be thought of as a bundle of ten ones—called a “ten”
- Understand that the two digits of a two-digit number represent amounts of tens and ones (place value)
- Add and subtract numbers through 100 using what students have learned about place value

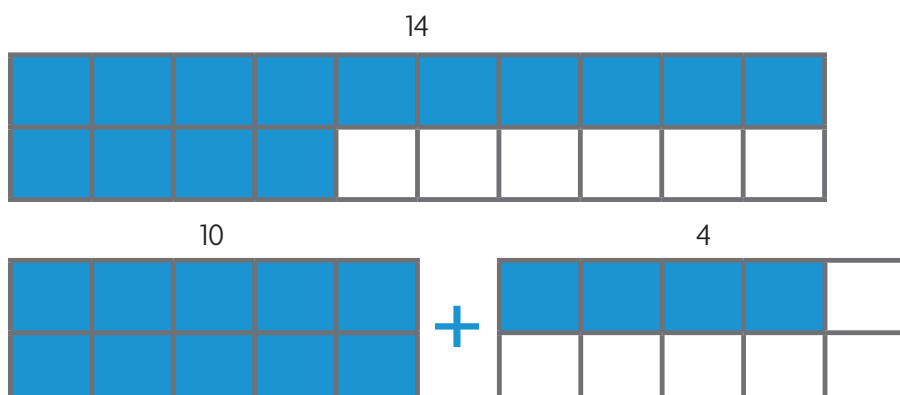
Grade Two Mathematics

- Understand that 100 can be thought of as a bundle of ten tens—called a “hundred”
- Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones (place value)
- Add and subtract numbers through 1000 using what students have learned about place value

Your child will learn to find the “partners” that make ten for any number. This drawing shows that if you have 8, it takes 2 more to make 10.



From there, students learn to think of ten as a unit and to break all the teen numbers down to a ten and some leftover ones.



Helping your child learn outside of school



1. Use everyday objects to allow your child to count and group a collection of objects.
2. Encourage your child to construct numbers in multiple ways. For example, what are some ways that you can make 10? Answers might include $5+5$, $6+4$, $8+2$, etc. Have your child explain his or her thinking.
3. Have your child create story problems to represent addition and subtraction of small numbers. For example, “Ann had eight balloons. Then she gave three away, so she only had five left.”
4. Encourage your child to stick with it whenever a problem seems difficult. This will help your child see that **everyone** can learn math.
5. Praise your child when he or she makes an effort and share in the excitement when he or she solves a problem or understands something for the first time.

Additional Resources



For more information on the Common Core State Standards for mathematics, go to <http://www.corestandards.org/about-the-standards/key-points-in-mathematics> or visit <http://www.commoncoreworks.org>.

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SUPPORTING YOUR CHILD IN GRADE ONE

ENGLISH LANGUAGE ARTS





START HERE >

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*What your child
will be learning in
grade one English
language arts
and literacy*



In grade one, your child will build important reading, writing, speaking, and listening skills. Students will continue to learn the letters and sounds that make up words. They will think, talk, and write about what they read in stories, articles, and other sources of information. In their writing, students will work on putting together clear sentences on a range of topics using a growing vocabulary. Activities in these areas will include:

- Reading stories and showing they understand the lesson or moral of the story
- Asking and answering questions about a story, including characters, settings, and major events
- Comparing and contrasting the experiences of different characters
- Identifying the reasons an author gives to support a point
- Explaining differences between texts that tell stories and texts that provide information
- Learning and using new words
- Participating in class discussions by listening, responding to what others are saying, and asking questions
- Describing people, places, things, and events, expressing feelings and ideas clearly
- Learning basic rules of spoken and written English
- Working with others to gather facts and information on a topic
- Writing to describe an event, provide information on a topic, or share an opinion

*Partnering
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Don't be afraid to reach out to your child's teacher—you are an important part of your child's education. Ask to see a sample of your child's work or bring a sample with you. Ask the teacher questions like:

- Is my child reading on grade level?
- How is my child doing in writing?
- What are my child's strengths and weaknesses?
- What can I do at home to make sure that my child is successful?

In grade one, students will read stories and poems. Additionally, they will read to learn information about history, the world, science, and other areas. Here are just a few examples of how your child will develop important reading skills across grade levels.

READING LITERATURE

Kindergarten Reading

- With help from the teacher, students retell stories, including key details.
- With help from the teacher, students name the author and illustrator of a story and define the role of each in telling the story.

Grade One Reading

- Students retell stories, including key details, and show that they understand the lesson or moral of a story.
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Grade Two Reading

- Students retell stories and determine their central message, lesson, or moral.
- Students acknowledge differences in the points of view of characters, including by speaking in a different voice for each character when reading dialogue aloud.

READING FOR INFORMATION

Kindergarten Reading

- With help from the teacher, students ask and answer questions about key details in a text.
- With help from the teacher, students identify what person, place, thing, or idea a picture shows.

Grade One Reading

- Students ask and answer questions about key details in a text.
- Students use the illustrations and details in a text to describe key ideas.

Grade Two Reading

- Students ask and answer such questions as , and to demonstrate understanding of key details in a text.
- Students explain how specific images or illustrations (such as a diagram of how a machine works) are useful.



Students will read more challenging texts and materials as they progress through grade levels.

Writing tasks in grade one may include stories, essays, reports, and persuasive papers. Here are just a few examples of how your child will develop important writing skills across grade levels.

Kindergarten Writing

- Using a combination of drawing, dictating, and writing, students name what they are writing about and supply some information about the topic.

Grade One Writing

- Students name a topic and supply some facts about the topic.
- Students provide some sense of closure.

Grade Two Writing

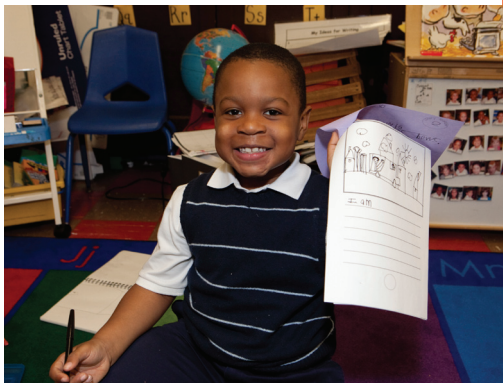
- Students introduce a topic and use facts and definitions to develop points.
- Students provide a concluding statement or section.



Some writing guidelines may seem similar from year to year. However, with practice at each grade level, students continue to learn and apply the rules of standard written English and to strengthen and expand their vocabulary, use of language, and organization of ideas.



Helping your child learn outside of school



1. Provide time and space for your child to read independently. This reading time should be free from distractions such as television.
2. Ask your child what topics, events, or activities he or she likes. Then look for books, magazines, or other materials about those topics that would motivate your child to read.
3. It is also helpful when your child sees other people reading at home. You could share what you have read.
4. Start a family book club. Let different members of the family pick the book. This could be a good way to enjoy quality family time while experiencing the joy of reading together!
5. Be sure your child has a library card. Children should select books in which they are interested to develop a passion for reading. Many libraries have book clubs and family activities that make reading fun for the entire family.
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Additional Resources



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SUPPORTING YOUR CHILD IN GRADE ONE
MATHEMATICS





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What your child will be learning in grade one mathematics



In grade one, students will work with whole numbers and place value—including grouping numbers into tens and ones as they learn to add and subtract up through 20. Students will also use charts, tables, and diagrams to solve problems. Activities in these areas will include:

- Quickly and accurately adding numbers together that total up to 10 or less and subtracting from numbers up through 10
- Understanding the rules of addition and subtraction (for example, $5+2=2+5$)
- Solving word problems that involve adding or subtracting numbers up through 20
- Understanding what the different digits mean in two-digit numbers (place value)
- Comparing two-digit numbers using the symbols $>$ (more than), $=$ (equal to), and $<$ (less than)
- Understanding the meaning of the equal sign ($=$) and determining if statements involving addition and subtraction are true or false (for example, which of the following statements are true? $3+3=6$, $4+1=5+2$)
- Adding one- and two-digit numbers together
- Measuring the lengths of objects using a shorter object as a unit of length
- Putting objects in order from longest to shortest or shortest to longest
- Organizing objects into categories and comparing the number of objects in different categories
- Dividing circles and rectangles into halves and quarters

Partnering with your child's teacher

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- Is my child at the level where he/she should be at this point of the school year?
- Where is my child excelling?
- What do you think is giving my child the most trouble? How can I help my child improve in this area?
- What can I do to help my child with upcoming work?

Here are just a few examples of the skills and strategies students will develop as they solve word problems in grade one.

Kindergarten Mathematics

- Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (such as claps), acting out situations, verbal explanations, expressions, or equations
- Solve word problems by adding or subtracting numbers up through 10 using objects and drawings

Grade One Mathematics

- Solve word problems by adding or subtracting numbers up through 20
- Solve addition and subtraction problems for different unknown numbers ($20 - ? = 15$, $9 + 4 = ?$)

Grade Two Mathematics

- Solve one- and two-step word problems by adding or subtracting numbers up through 100

Examples of Grade One Word Problems

+ Addition	6 bunnies sat on the grass. Some more bunnies hopped over. Then there were 14 bunnies. How many bunnies hopped over?
- Subtraction	14 bunnies were sitting on the grass. Some bunnies hopped away. Then there were 5 bunnies. How many bunnies hopped away?
Comparison	Lucy has 12 apples. Julie has 9 apples. How many more apples does Lucy have than Julie?

Your child will use pictures and diagrams to show addition and subtraction and to compare amounts.



*Lucy has three more apples than Julie.
Julie has three fewer apples than Lucy.*

Here are just a few examples of how students will develop and use their understanding of place value in grade one.

Kindergarten Mathematics

- Count to 100 by ones and tens
- Understand that numbers from 11 to 19 contain a ten and some leftover ones (for example, $14=10+4$)

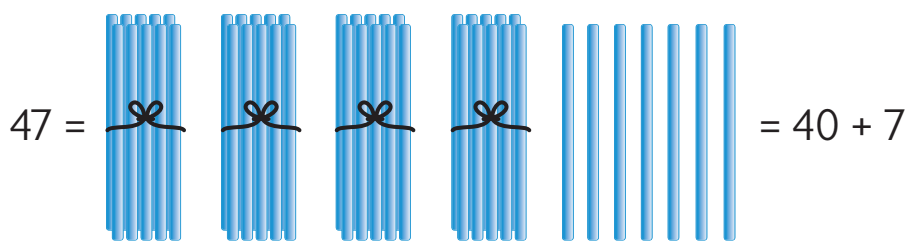
Grade One Mathematics

- Understand that 10 can be thought of as a bundle of ten ones—called a “ten”
- Understand that the two digits of a two-digit number represent amounts of tens and ones (place value)
- Add and subtract numbers through 100 using what students have learned about place value

Grade Two Mathematics

- Understand that 100 can be thought of as a bundle of ten tens—called a “hundred”
- Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones (place value)
- Add and subtract numbers through 1000 using what students have learned about place value

Students use models and pictures to show that 47 is the same as 47 ones, or 4 tens + 7 ones, and to better understand the relative size of the units.



Your child will use this understanding of place value to add one- and two-digit numbers together.

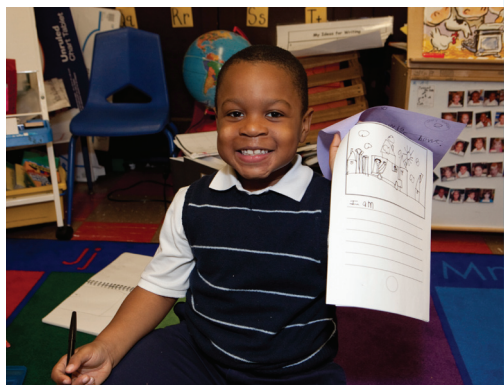
$$47 + 2 = 49$$



$$47 + 20 = 67$$

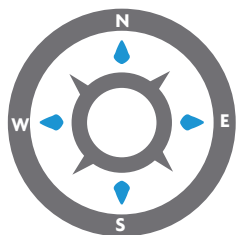


Helping your child learn outside of school



1. Look for everyday opportunities to have your child do mathematics. For example, if you open a carton of eggs and take out seven, ask, “How many are left in the carton?”
2. Play math games with your child. For example, “I’m thinking of a number. When I add five to it, I get 11. What is the number?”
3. Encourage your child to read and write numbers in different ways. For example, what are some ways that you can make the number 15? 15 can be $10+5$, $7+8$, $20-5$, or $5+5+5$.
4. Have your child create story problems to represent addition, subtraction, and comparisons. For example, “I have seven pennies. My brother has five pennies. How many pennies does he need to have the same number as I have? He needs two more pennies.”
5. Encourage your child to stick with it whenever a problem seems difficult. This will help your child see that **everyone** can learn math.
6. Praise your child when he or she makes an effort and share in the excitement when he or she solves a problem or understands something for the first time.

Additional Resources



For more information on the Common Core State Standards for mathematics, go to <http://www.corestandards.org/about-the-standards/key-points-in-mathematics> or <http://www.commoncoreworks.org>.

For more information on the standards in mathematics related to place value (Number and Operations in Base Ten), go to <http://commoncoretools.me/category/progressions/>.

For more information on helping your child learn mathematics (with activities from pre-school to grade five), go to <http://www2.ed.gov/parents/academic/help/math/index.html>.

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SUPPORTING YOUR CHILD IN GRADE TWO

ENGLISH LANGUAGE ARTS





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What your child will be learning in grade two English language arts and literacy




In grade two, students will continue to build important reading, writing, speaking, and listening skills. They will think, talk, and write about what they read in variety of texts, such as stories, books, articles, and other sources of information including the Internet. In their writing, students will learn how to develop a topic and strengthen their skills by editing and revising. Activities in these areas will include:

- Reading stories, including fables and folktales from different cultures, and identifying the lesson or moral of the story
- Reading texts about history, social studies, or science and identifying the main idea
- Answering *who*, *what*, *where*, *when*, *why*, and *how* questions about stories and books
- Describing the reasons that an author gives to support a point
- Learning and using new words
- Learning the rules of spoken and written English
- Participating in class discussions by listening and building on what others are saying
- Describing in their own words information learned from articles or books read aloud
- Working together to gather facts and information on a topic
- Writing about a short series of events and describing actions, thoughts, and feelings
- Writing about opinions on books using important details and examples to support a position

Partnering with your child's teacher

Don't be afraid to reach out to your child's teacher—you are an important part of your child's education. Ask to see a sample of your child's work or bring a sample with you. Ask the teacher questions like:

- Is my child reading on grade level?
- How is my child doing in writing?
- What are my child's strengths and weaknesses?
- What can I do at home to make sure that my child is successful?



In grade two, students will read stories and poems. Additionally, they will read to learn information about history, the world, science, and other areas. Here are just a few examples of how your child will develop important reading skills across grade levels.

READING LITERATURE

Grade One Reading

- Students retell stories, including key details, and show that they understand the lesson or moral of a story.
- Students identify who is telling the story at various points in a text.

Grade Two Reading

- Students retell stories and determine their central message, lesson, or moral.
- Students acknowledge differences in the points of view of characters, including by speaking in a different voice for each character when reading dialogue aloud.

Grade Three Reading

- Students recount stories and determine the central message, lesson, or moral, explaining how it is developed in the text.
- Students distinguish their own point of view from that of the narrator or those of the characters.

READING FOR INFORMATION

Grade One Reading

- Students ask and answer questions about key details in a text.
- Students use the illustrations and details in a text to describe key ideas.

Grade Two Reading

- Students ask and answer such questions as *who*, *what*, *where*, *when*, *why*, and *how* to demonstrate understanding of key details in a text.
- Students explain how specific images or illustrations (such as a diagram of how a machine works) are useful.

Grade Three Reading

- Students ask and answer questions about what they read by referring directly to parts of the text.
- Students use information gained from images or illustrations.



Students will read more challenging texts and materials as they progress through grade levels.

Writing tasks in grade two may include stories, essays, reports, and persuasive papers. Here are just a few examples of how your child will develop important writing skills across grade levels.

Grade One Writing

- Students name a topic and supply some facts about the topic.
- Students provide some sense of closure.

Grade Two Writing

- Students introduce a topic and use facts and definitions to develop points.
- Students provide a concluding statement or section.

Grade Three Writing

- Students introduce a topic and use facts, definitions, and details to develop points.
- Students provide a concluding statement or section.
- Students group related information together.
- Students use linking words and phrases to connect ideas, such as *also*, *another*, and *but*.



Some writing guidelines may seem similar from year to year. However, with practice at each grade level, students continue to learn and apply the rules of standard written English and to strengthen and expand their vocabulary, use of language, and organization of ideas.



Helping your child learn outside of school



1. Provide time and space for your child to read independently. This reading time should be free from distractions such as television.
2. Ask your child what topics, events, or activities he or she likes. Then look for books, magazines, or other materials about those topics that would motivate your child to read.
3. It is also helpful when your child sees other people reading at home. You could share what you have read.
4. Start a family book club. Let different members of the family pick the book. This could be a good way to enjoy quality family time while experiencing the joy of reading together!
5. Be sure your child has a library card. Children should select books in which they are interested to develop a passion for reading. Many libraries have book clubs and family activities that make reading fun for the entire family.
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SUPPORTING YOUR CHILD IN GRADE TWO
MATHEMATICS





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quality instruction
than ever before.*

The way we taught students in the past simply does not prepare them for the higher demands of college and careers today and in the future. Your school and schools throughout the country are working to improve teaching and learning to ensure that all children will graduate high school with the skills they need to be successful.

In mathematics, this means three major changes. Teachers will concentrate on teaching a more focused set of major math concepts and skills. This will allow students time to master key math concepts and skills in a more organized way throughout the year and from one grade to the next. It will also call for teachers to use rich and challenging math content and to engage students in solving real-world problems in order to inspire greater interest in mathematics.

What your child will be learning in grade two mathematics



In grade two, students will extend their understanding of place value to the hundreds place. They will use this place value understanding to solve word problems, including those involving length and other units of measure. Students will continue to work on their addition and subtraction skills, quickly and accurately adding and subtracting numbers up through 20 and also working with numbers up through 100. They will also build a foundation for understanding fractions by working with shapes and geometry. Activities in these areas will include:

- Quickly and accurately adding numbers together that total up to 20 or less or subtracting from numbers up through 20
- Solving one- or two-step word problems by adding or subtracting numbers up through 100
- Understanding what the different digits mean in a three-digit number
- Adding and subtracting three digit numbers
- Measuring lengths of objects in standard units such as inches and centimeters
- Solving addition and subtraction word problems involving length
- Solving problems involving money
- Breaking up a rectangle into same-size squares
- Dividing circles and rectangles into halves, thirds, or fourths
- Solving addition, subtraction, and comparison word problems using information presented in a bar graph
- Writing equations to represent addition of equal numbers



An equation is a mathematical statement that uses numbers and symbols, such as $3 + 3 = 6$.

Partnering with your child's teacher

Don't be afraid to reach out to your child's teacher—you are an important part of your child's education. Ask to see a sample of your child's work or bring a sample with you. Ask the teacher questions like:

- Is my child at the level where he/she should be at this point of the school year?
- Where is my child excelling?
- What do you think is giving my child the most trouble? How can I help my child improve in this area?
- What can I do to help my child with upcoming work?

Here are just a few examples of the skills and strategies students will develop as they solve word problems in grade two.

Grade One Mathematics

Solve word problems by adding or subtracting numbers up through 20

Grade Two Mathematics

Solve one- and two-step word problems by adding or subtracting numbers up through 100

Grade Three Mathematics

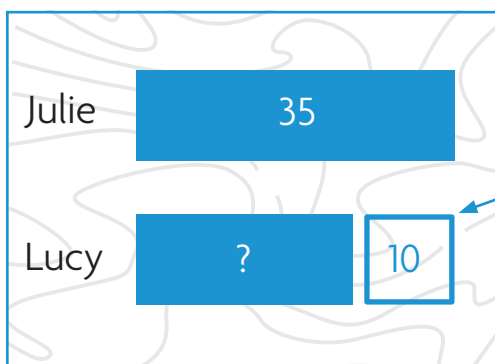
Solve two-step word problems by adding, subtracting, multiplying, or dividing numbers up through 100

Students in grade two will use diagrams such as this one to think through and solve one- and two-step word problems.

Julie has 35 books. Julie has 10 more books than Lucy. How many books does Lucy have? How many books do they have together?

Step 1: If Lucy has 10 less books than Julie, students first need to figure out what 10 less than 35 is.

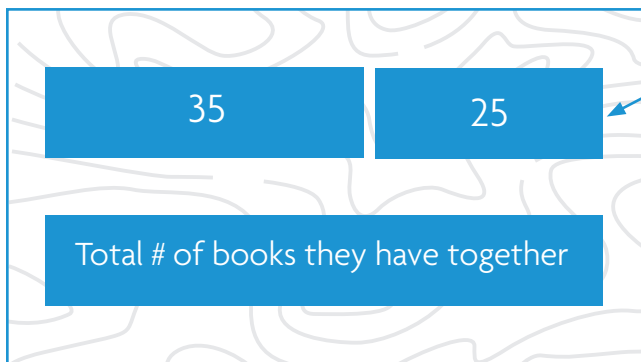
$$35 \text{ books} - 10 \text{ books} = 25 \text{ books}$$



$$\begin{aligned} 25 + 10 &= 35 \\ 35 - 10 &= 25 \end{aligned}$$

Step 2: Students then have to add the number of books Julie has to the number of books Lucy has.

$$35 \text{ books} + 25 \text{ books} = 60 \text{ books}$$



$$35 + 25 = 60$$

Here are just a few examples of how students will develop and use their understanding of place value in grade two.

Grade One Mathematics

- Understand that 10 can be thought of as a bundle of ten ones—called a “ten”
- Understand that the two digits of a two-digit number represent amounts of tens and ones (place value)
- Add and subtract numbers through 100 using what students have learned about place value

Grade Two Mathematics

- Understand that 100 can be thought of as a bundle of ten tens—called a “hundred”
- Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones (place value)
- Add and subtract numbers through 1000 using what students have learned about place value

Grade Three Mathematics

- Use place value understanding to round whole numbers to the nearest 10 or 100
- Quickly and accurately add and subtract numbers through 1000
- Use place value understanding to multiply and divide numbers up through 100
- Multiply one-digit whole numbers by multiples of 10 between 10 and 90. For example, 9×80 or 5×60

*Students learn that
 $250 = 2$ hundreds
and 5 tens, 25 tens,
or 250 ones.*

$$\begin{array}{|c|} \hline 250 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array} + \begin{array}{|c|} \hline 5 \\ \hline \end{array} + \begin{array}{|c|} \hline 0 \\ \hline \end{array}$$

hundreds tens ones

*Students apply their
understanding that
 5 tens + 5 tens =
 10 tens, or 1 hundred,
that can then be added
to the hundreds place.*

$$\begin{array}{|c|} \hline 2 \\ \hline \end{array} \begin{array}{|c|} \hline 5 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} + \begin{array}{|c|} \hline 2 \\ \hline \end{array} \begin{array}{|c|} \hline 5 \\ \hline \end{array} \begin{array}{|c|} \hline 3 \\ \hline \end{array} = \begin{array}{|c|} \hline 5 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline 3 \\ \hline \end{array}$$

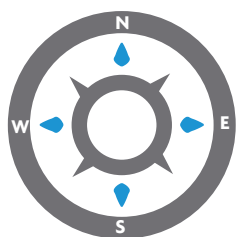
hundreds tens ones hundreds tens ones hundreds tens ones

Helping your child learn outside of school



1. Play math games with your child. For example, “I’m thinking of a number. It has 5 tens, 3 hundreds, and 4 ones. What is the number? 354.” Or, using a deck of cards, deal two cards and ask your child to add the two numbers. You can also identify a target number and ask your child to either add or subtract to obtain that target number (use a target of 20 or less).
2. Have your child explain the relationship between different numbers without counting. For example, 147 is 47 more than 100 and three less than 150.
3. Encourage your child to stick with it whenever a problem seems difficult. This will help your child see that **everyone** can learn math.
4. Praise your child when he or she makes an effort and share in the excitement when he or she solves a problem or understands something for the first time.

Additional Resources



For more information on the Common Core State Standards for mathematics, go to <http://www.corestandards.org/about-the-standards/key-points-in-mathematics> or <http://www.commoncoreworks.org>.

For more information on the standards in mathematics related to place value (Number and Operations in Base Ten), go to <http://commoncoretools.me/category/progressions/>.

For more information on helping your child learn mathematics (with activities from pre-school to grade five), go to <http://www2.ed.gov/parents/academic/help/math/index.html>.