Tutor Resource and Reference Guide

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For more tutoring support and questions, contact your site manager or the main office at 312-397-9119.
## Scope and Sequence

*(What the students should learn during the school year.)*

### Grade 1

#### Language Arts

- Print Awareness – Identifies letter names when presented
- Phonemic (Letter sounds) Awareness
- Phonics: Decoding and Encoding (Breaking down words into sounds and building words)
- Understands the role of the silent “e” (like)
- Parts of Speech and Sentence Structure
- Capitalization and Punctuation
- Sayings and Phrases
- Supplies a word to complete a rhyme
- Identifies words making up a compound word
- Reads basic sight words
- Identifies the number of syllables in a word
- Uses a picture and context clues to decode unfamiliar words
- Gives the main idea and details of a passage
- Predicts outcomes of a story read
- Comprehension and Discussion of Read-Alouds – All texts
- Oral Reading and Fluency
- Reading Comprehension – All texts
- Writes sentences

#### Math

- Represent and solve problems involving addition and subtraction.
- Understand and apply properties of operations (+ and -, bigger and smaller) and the relationship between addition and subtraction.
- Add and subtract within 20.
- Work with addition and subtraction equations.
- Extend the counting sequence.
- Understand place value (ones, tens, hundreds.)
- Use place value understanding and properties of operations to add and subtract.
- Measurement using different units (cm, in.)
- Tell and write time.
- Represent and interpret data (read a graph.)
- Know shapes and their attributes (sides, corners.)
Grade 2

**Language Arts**
- Phonics: Decoding and Encoding
- Identifies vowel sounds when presented orally (a, e, i, o, u)
- Reads three-letter initial blends (strap)
- Reads basic sight words
- Reads the suffixes ly, ful, y, en, ies, ish
- Reads words containing the silent l (talk)
- Reads the prefix un
- Recognizes elements in a story such as the title, setting, character, plot, etc.
- Evaluates actions and motivations of characters in a story
- Relates details of an oral story in a sequence
- Oral Reading and Fluency
- Reading Comprehension – all texts
- Narrative Writing
- Informative/Explanatory Writing
- Writes a friendly letter
  - Writes a story

**Math**
- Represent and solve problems involving addition and subtraction.
- Add and subtract within 20.
- Work with equal groups of objects to gain foundations for multiplication.
- Understand place value.
- Use place value understanding and properties of operations to add and subtract.
- Measure and estimate lengths in standard units.
- Relate addition and subtraction to length.
- Work with time and money.
- Represent and interpret data (graphs and charts.)
- Compare/contrast shapes and their attributes
Grade 3

**Language Arts**

- Reading Comprehension and Response
- Poetry
- Spelling, Grammar, and Usage
- Reads words with the silent h (hour)
- Reads words with the –tion sounding like shun (nation)
- Reads suffixes like –ness, -or, -ous, -less
- Correctly sequences events in a story read
- States the elements of material read such as main idea, specific details, sequence of events, climax of the story, story characters, and author
- Finds the cause of an event in a story
- Uses context to find the meaning of unfamiliar words in a story
- Writes a story
- Writes a poem
- Writes a simple report
- Writes own feelings and reactions to an event
- Identifies and corrects incomplete sentences
- Uses correct punctuation

**Math**

- Represent and solve problems involving multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division.
- Multiply and divide within 100.
- Solve problems involving the four operations, and identify and explain patterns.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.
- Develop understanding of fractions as numbers.
- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of object.
- Represent and interpret data (graphs and charts.)
- Geometric measurement: understand concepts of area and relate area to multiplication and addition.
- Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.
- Understand shapes and their attributes.
Grade 4

**Language Arts**
- Word in a passage
- Answers Read Stories of all genres
- Know Literary Terms
- Poetry – read, write and know the terms
- Myths and Legends
- Proper usage of Grammar
- Reads words containing the suffixes of -ment,-able,-al,-ence,-ible, -ive, -ship
- Reads words containing the prefixes de, dis, inter
- Draws conclusions from informative material read
- Uses context to gather the meaning of an unfamiliar question on factual details of a story read
- Makes predictions about possible endings of a story read
- Speeches
- Writes in paragraph form
- Adds details or sentences to clarify the meaning when editing written work
- Deletes details or sentences that do not add to the development of the topic when editing written work
- Recognizes and corrects inappropriate fragments, run-on sentences, and shifts in verb tense when editing written work
- Writes a short story
- Writes a brief report on a subject-related topic (such as a Social Studies report on a historical figure)

**Math**
- Use the four operations with whole numbers to solve problems.
- Gain familiarity with factors and multiples.
- Generate and analyze patterns.
- Generalize place value understanding for multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit.
- Extend understanding of fraction equivalence and ordering.
- Add fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
- Understand decimal notation for fractions, and compare decimal fractions.
- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- Represent and interpret data (graphs and charts.)
- Geometric measurement: understand concepts of angle and measure angles.
- Draw and identify lines and angles, and classify shapes by properties of their lines and angles
Grade 5

**Language Arts**

- Read stories of all genres
- Build vocabulary
- Poetry
- Dramas
- Speeches
- Know Literary Terms
- Myths and Legends
- Find the root word
- Read words containing the suffixes – ance, -ity, -ize
- Read words containing the prefixes anti, re, semi, pre
- Predicts conclusions of stories after reading initial sections
- Reads with expression, recognizing punctuation
- Draws conclusions from informative material read
- Answers questions on factual detail of a story read
- Selects details to support an interpretation made in a story read
- Writes in paragraph form
- Adds details or sentences to clarify meaning when editing written work
- Deletes details or sentences that do not add to the development of the topic when editing written work
- Recognizes and corrects inappropriate fragments, run-on sentences, and shifts in verb tense when editing written work
- Writes a business letter
- Writes a story
- Writes a brief report on a subject-related topic (such as a Social Studies report on a historical figure)

**Math**

- Write and interpret expressions.
- Analyze patterns and relationships.
- Understand the place value system.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Use equivalent fractions as a strategy to add and subtract fractions.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
- Convert like measurement units within a given measurement system.
- Represent and interpret data (graphs and charts.)
- Geometric measurement: understand concepts or volume and relate volume to multiplication and to addition.
- Graph points on the coordinate place to solve real-world and mathematical problems.
- Classify two-dimensional figures into categories based on their properties.
Grade 6

**Language Arts**
- Reading stories of all genres
- Speaking and Listening
- Poetry
- Drama
- Classical Mythology
- Know Literary Terms
- Predicts conclusions of stories after reading initial sections
- Reads with expression, recognizing punctuation
- Draws conclusions from informative material read
- Answers questions on factual details of a story read
- Selects details to support and interpretation made in a story
- Sequences events in a story read
- Identifies the reason for a character’s actions
- Writes in paragraph form
- Deletes details or sentences that do not add to the development of the topic when editing written work
- Recognizes and correct inappropriate fragments, run-on sentences, and shifts in verb tense when editing written work
- Writes a business letter
- Writes a story
- Writes a five paragraph essay
  - Writes a brief report

**Math**
- Understand ratio concepts and use ratio reasoning to solve problems.
- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- Apply and extend previous understandings of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.
- Solve real-world and mathematical problems involving area, surface area, and volume.
- Develop understanding of statistical variability.
- Summarize and describe distributions (probability and statistics.)
# Comprehension Questions

## Before Reading

1. What do you think this book is going to be about? Why do you think that?
2. What words do you think are going to be in this book?
3. Do you have any questions about this book before we start reading?
4. Why do you think the author would write this book?
5. Do you think this story is real or make-believe? Why do you think that?
6. Why do you want to read this book?

## During Reading

1. What do you think will happen next? Why do you think that?
2. What are the characters doing?
3. Do you like the characters in the story? Why or why not?
4. What do you notice in this book?
5. What will happen at the end of this book?
6. What is the problem in this book?
7. What questions do you have for the characters or the author of this book?

## After Reading

1. What was this book about?
2. Did you like this book, why or why not?
3. What did you notice while reading?
4. What does this book remind you of?
5. Why do you think the author wrote this book?
6. If this book continued, what do you think would happen next?
7. What would you change about this book?
8. How did this book make you feel?
9. What was the author trying to teach you in this book?
10. Who was your favorite character? Why?
11. Did any of the characters change from the beginning to the end?
12. What was the most important part of the book?
13. If you could give this book a different title, what would it be?
**Fiction Questions**

1. What character do you like the most in your book and why?
2. What do you predict will happen next in this story? What information in the text helped you make that prediction?
3. What is the main problem of the story? If you know, how was the problem solved?
4. Would you like to be a character in this story? Why or why not?
5. How do you feel about this story? Would you recommend it to someone else? Why or why not?
6. Summarize what you read today. What were the most important events? Did you learn anything new about the characters?
7. Is what you read believable? Why or why not?
8. Pretend you are interviewing the main character of the story. What two questions would you ask them?
9. If you could trade places with one of the characters, who would it be? Why?
10. Is there anything you would change about this story? What would it be? Why would you change it?

**Non Fiction Questions**

1. What is the selection you read mainly about?
2. What did you learn while reading?
3. Why did the author probably write this selection? How do you know?
4. What was the main idea of what you read? What were the supporting details that told you more about the main idea?
5. How and where could you find out more information about the topic read about today?
6. What else would you like to know about the topic you read about?
7. What did you find interesting about this selection?
8. What do you remember most about the selection you read?
9. Did you find an interesting word in this selection? What was it? Use a dictionary to find out its meaning and write a sentence of your own using that word.
10. Would you like to find another selection that is similar to this one? If so, check the resource room library or take a trip to your local library and look at their selection on the topic!
Writing Prompts

1. This book was about…
2. I liked this book because…
3. I didn’t like this book because…
4. From this book, I learned…
5. My favorite part about this book was…
6. My favorite character was ______________ because…
7. If this book continued, I think…
8. This story reminds me of…
9. I think the author should change…
10. I was really surprised when…
11. This book made me feel…
12. The most important part of this book was…
13. After reading this book, I wonder…
14. This book helped me…
15. If I were _______ (a character in the story), I would…
16. I think the author wanted me to …
17. After reading this book, I want to learn more about…
18. The problem in this story was…
19. While reading this book, I noticed…
20. I would like to be ____________ (character in the story) because…
Tutoring Tips for Math

**Counters** – Learn how to use counters (manipulatives, objects) to help with addition, subtraction, multiplication and division. Having a tangible object often helps children understand math better.

**Fact Families** – What is a Fact Family? Three numbers that go together in addition/subtraction or multiplication/division are a Fact Family. For instance, 2, 3 and 6 – 2x3=6, 3x2=6, 6/3=2, 6/2=3. Triangle flashcards are helpful when learning any of the basic math facts. We even have large sized dry erase triangle “flashcards.”

**100 Chart and 200 Chart** – Students use 100 and 200 charts to add, subtract, find patterns, and to skip count. These are very useful in basic knowledge of counting and number sense.

**Deck of Cards** - What can you do with a deck of cards? Play “Top-it!” – the modern day version of “War.” You can also add or multiply two or more cards or subtract/divide using two cards. Card games are a useful learning tool in a fun way about numbers without realizing they are learning.

**Multiplication Tables** – Use these to help with multiplication and division facts. Once students master their multiplication and division facts, they have the skills and confidence that will help them with more difficult math problems.

**Base Ten Blocks** – Base ten blocks can be used for numerical representations, counting, addition, subtraction and place value. The largest block (10x10) represents 100, the long strip of 10 represents 10, and each single block (cube) represents 1. If you were to represent 112, you would use one block of 100, 1 block of 10 and 2 individual blocks. Representing a number using this math manipulative helps children to visually see a number and understand place value.

**Lattice Method of Multiplication** – This is a new method of multiplying 2 digit (or more) by 2 digit (or more) using a grid. Many of your students are learning multiplication using this method instead of the traditional way. Please see the attached instructions.
9’s and 11’s Multiplication Trick – When doing multiplication involving the number 9, hold up both hands and put down the finger corresponding the number you are multiplying 9 by. For example, if you are multiplying 9 x 2, you would put the fourth finger on your left hand down. You should be left with the pinky finger on your left hand up and 8 fingers to the right of it. This represents 18 your answer. You many use this trick for 9 multiplied by the number 10 or less.

Another trick for 9s is to multiply the number by 10 and then subtract that number. For example, 9x6=54. You could solve this by saying 10x6=60, 60-6=54.

The 11’s trick is any number less than or equal to 9, when multiplied by 11, is that number doubled. For example: 11x2=22, 11x3=33, etc.

Word Problems – Most students are not only learning basic math skills, but how to apply them in their daily life. Word problems are used in all grade levels and range in difficulty and complexity and many students struggle with this skill. Site managers will provide word problem worksheets on the resource carts and encourage tutors to practice writing and reading word problems with their students. One way to practice this skill is take a math problem you have completed and write a word problem that applies to it.
**Skill**

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<tr>
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<tbody>
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<td>Log into a computer using a one-word single sign-on</td>
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<td>Log into web-based tool accounts</td>
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<td>Find keys on the keyboard to construct sentences and type your name</td>
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<td>Know how to make a capital letter using Shift</td>
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<td>Type using two hands</td>
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<td>Type at least 15 WPM</td>
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<td>Type at least 20 WPM</td>
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<td>Type at least 25 WPM</td>
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<td>Know some basic keyboard shortcuts</td>
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<td>Know how to copy/paste</td>
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<td>Save a file</td>
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<td>Open a file</td>
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<td>Understand file paths</td>
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<td>Locate files and navigate file paths independently</td>
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<td>Know how to organize files</td>
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<td>Navigate a browser (back, forward buttons and tab)</td>
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<td>Know how to evaluate websites for accuracy and relevance</td>
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<td>Know how to leave a useful comment for a peer</td>
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<td>Practice good netiquette when commenting</td>
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<td>Know how to use tools like Edmodo or Schoology to discuss, share and blog about course content</td>
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<td>Collaborate with peers on digital projects</td>
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<td>Begin to look for solutions to real-world problems through the lens of technology</td>
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<td>Know a system for bookmarking/saving sites</td>
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<td>Be familiar with basic menus within applications</td>
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<td>Independently use a drawing program (like TuxPaint)</td>
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</table>
Complete graphic organizers using software like Kidspiration

Take and edit photos using PhotoBooth or Picnik

Insert photos into projects

Download and upload photos

Create and edit video

Be able to synthesize information from one place to another (i.e. graphic organizer to comic, web information into graphic organizer)

Compose short stories using a web-based tool like Storybird

Compose and format longer stories using Word Processing software

Create basic presentations using tools like PowerPoint

Have a basic understanding of programming through programs like Scratch

Be able to show what you know through a variety of tools

Know how to build a website or wiki, including images, citations and video

Write and maintain a personal blog

Know vocabulary like Desktop, monitor, CPU, mouse, keyboard, application, program, browser

Have a basic understanding of copyright

Understand and follow copyright rules and guidelines

Cite sources

Know what kinds of information you should/shouldn't share online

Know how to handle cyberbullies

Know how to configure privacy settings

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**Technology Related Resource Websites**

Khanacademy.com

Edutopia.org

Discoveryeducation.com

Diigo.com

Typingweb.com

ReadingA-Z.com

Storybird.com

Picnik.com

Inspiration.com/kidspiration

Tuxpaint.org

learninggamesforkids.com