

# Springing into Grade 5

NUUANU  
ELEMENTARY  
SCHOOL



## English Language Arts for Grade 5

Grade 5 students are developing into mature readers, users of language and precise writers. To support this literacy growth, 5<sup>th</sup> graders have to be engaged in reading from a broad range of high quality texts, both fiction and non-fiction.

As texts become more complex, students need to take special note of key details in reading passages. When identified correctly, this will lead them to main ideas and concepts. Critical thinking is embedded in all subject areas and asks students to evaluate, analyze and validate information from texts. Inferences, or logical thinking based on details and one's experiences, are necessary to capture the author's message.

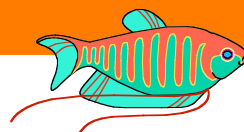
In writing, the ability to compose an effective opinion paper is a major focus. Students need to cite evidence and details to support their stance on a topic. Research is another focus skill. The internet, videos and other media are the main resource as students conduct research for projects.

Children continue to add to their list of known root words, prefixes, and suffixes. They analyze figures of speech, metaphors and similes for definitions that will aid in making meaning of what is read.








*You may want to review the list that follows to see if you would like to teach your child before those first few days of school.*





## Activities To Try In the Summer

-  Look for words and figures of speech that are meant to change your mind. Discuss the meaning of the figure of speech with your child.
-  Find examples of nouns, verbs, and adjectives in the newspaper. Set the timer for 1 minute.
-  Write a letter to a celebrity and explain why they should visit Hawaii
-  Research a topic of interest (e.g. a city that will be visited, how to live "green", etc.)
-  Watch a favorite television show and summarize what the episode was about

## Books To Read in the Summer

Alice's Adventures in Wonderland by Lewis Carroll  
Casey at the Bat by Ernest Lawrence Thayer  
The Black Stallion by Walter Farley  
Where the Mountain Meets the Moon by Grace Lin  
Hurricanes: Earth's Mightiest Storms by Patricia Lauber  
Horses by Seymour Simon  
A History of the U.S. by Joy Hakim

### Nominees for the 2012 Nene Award

The Dreamer by Pam Munoz Ryan  
Calvin Coconut, Trouble Magnet by Graham Salisbury  
Where the Mountain Meets the Moon by Grace Lin  
The 100-Year Old Secret by Tracy Barrett  
My Life As a Book by Janet Tashjian



## Mathematics for Grade 5

Grade 5 students continue to develop an understanding and application of algebraic thinking. Parenthesis, brackets and braces are used to write numerical expressions. Numerical patterns are formulated based on rules. Children learn to graph ordered pairs on a coordinate plane and to identify the relationship between any given coordinates.

Children are required to flexibly record numbers as base 10 (e.g. 14.56), number names (fourteen, thirty, sixteen), and to write in expanded notation ( $14.56 =$  fourteen and fifty-six thousandths).

In geometry, children explore symmetry, congruent shapes, axes, intersections, and look for the attributes of different shapes.

Your child will be using common measuring units such as inch, foot, yard as well as metric measures including meters, centimeters, etc. Surface area and volume of figures are also skills to be learned in grade 5.

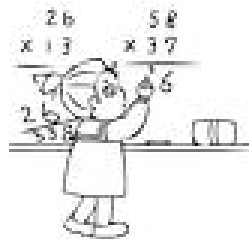
In data analysis, children will engage in measures of central tendency—the mean, median, and mode. This data allows children to draw conclusions or support their statements and opinions.]

### “MATHEMATICAL PRACTICES

- \*MAKING SENSE OF PROBLEMS AND
- \*PERSEVERE IN SOLVING THEM
- \*REASON ABSTRACTLY AND QUANTITATIVELY
- \*CONSTRUCT VIABLE ARGUMENTS AND CRITIQUE THE REASONING OF OTHERS
- \*MODEL WITH MATHEMATICS
- \*USE APPROPRIATE TOOLS STRATEGICALLY
- \*ATTEND TO PRECISION
- \*LOOK FOR AND MAKE USE OF STRUCTURE
- \*LOOK FOR AND EXPRESS REGULARITY IN REPEATED REASONING



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## TO FIND AREA

$$\text{square} = a^2$$

$$\text{rectangle} = ab$$

$$\text{parallelogram} = bh$$

$$\text{triangle} = 1/2bh$$

## TO FIND PERIMETER

$$\text{square} = 4a$$

$$\text{rectangle} = 2a + 2b$$

$$\text{triangle} = a + b + c$$



## Math Activities to try in the Summer

REVIEW, REVIEW, REVIEW AND THEN REVIEW YOUR MULTIPLICATION, ADDITION, SUBTRACTION AND DIVISION BASIC FACTS!!

USE INEXPENSIVE PIPE CLEANERS TO FORM TRIANGLE, SQUARES AND EVEN THREE-DIMENSIONAL SQUARES OR TRIANGLES

ASK YOUR CHILD TO HANG TOWELS SO THAT THEY ARE SYMMETRICAL

USING A PATTERN, ESTIMATE HOW MUCH FABRIC IS NEEDED TO MAKE A DRESS OR SHIRT

CHALLENGE YOUR CHILD TO COLLECT 100 PENNIES, WHICH EQUALS 100% OF ONE DOLLAR

ADD AND SUBTRACT PENNIES TO SHOW PERCENTAGES

USE FORMULAS TO FIND THE AREA OF TRIANGLES, AND PARALLELOGRAMS

GIVE YOUR CHILD THE GROCERY SECTION OF THE NEWSPAPER AND CREATE A LIST OF FOODS THAT WILL FEED THE FAMILY FOR A WEEK AND WILL ALSO MEET A BUDGET OF A CERTAIN AMOUNT OF MONEY

HAVE YOUR CHILD KEEP TRACK OF THE TIME HE OR SHE SPENDS WATCHING TELEVISION AS WELL AS DOING HOMEWORK. MAKE A TABLE LISTING THE 7 DAYS OF 1 WEEK. KEEP TWO COLUMNS, ONE FOR TV AND ONE FOR HOMEWORK. AT THE END OF THE WEEK, MAKE A GRAPH COMPARING THE TWO DIFFERENT ACTIVITIES.

