

Dear Parent,



We're excited to have your child in Kindergarten at Whitmore Lake Elementary School.

This is a very important year in your child's life, and we're pleased to be part of it.

At school, we're building on the skills that your child has already learned and we're introducing new ones. See this side of the brochure for details about what we're doing this year in Mathematics.

At home, your child can practice the skills we're learning at school. See the other side of this brochure for easy things that you can do to encourage that practice.

By working together, we can make sure that your child acquires the skills he or she needs to be successful in school and life.

We look forward to working with you and your child this year. When you have questions, please feel free to contact us at 449-2051.

Sincerely,
The Kindergarten Teachers

In every grade, we teach Mathematics skills that will help students:

Numbers and Operations

- Develop number concepts and skills, from counting, to paper and pencil calculations.
- Estimate.
- Use calculators and computers when appropriate.
- Solve problems using basic calculations.

Algebra

- Explore and record patterns.
- Represent patterns and relationships using tables, graphs and algebraic symbols.
- Solve problems by representing patterns and relationships using tables, graphs and algebraic symbols.

Measurement

- Use the correct measurement tools and units to accurately measure and describe their world.

Geometry

- Explore and identify one, two and three-dimensional geometric shapes.
- Describe and classify one, two and three-dimensional geometric shapes.
- Construct one, two and three-dimensional geometric shapes.
- Use geometry knowledge to solve problems.

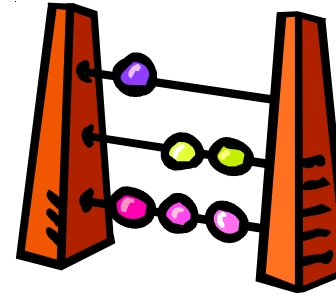
Data and Probability

- Collect, organize data in charts and graphs.
- Interpret data represented in charts, graphs.
- Collect, organize, and interpret data to solve problems, show relationships and make predictions.

In Kindergarten, we teach Mathematics skills that will help your child:

Numbers and Operations

- Count sets of objects up to 30.
- Match spoken number to items counted.
- Count to 100 by ones.
- Count to 30 by 2's, 5's, 10's using manipulatives, if needed.
- Read and write numbers 0 through 30.
- Compare numbers from 0 through 30 using "less than" and "more than."
- Order numbers 0 through 30 (putting 10 before 11, 12, 13... using one-to-one correspondence).
- Understand place value of tens and ones for numbers 1 through 30.
- Compose and decompose numbers 2 through 10 (ex: $5=2+3=4+1$).
- Make drawings to represent taking apart and putting together for sums up to 10.
- Record thinking using simple addition and subtraction problems.



Algebra

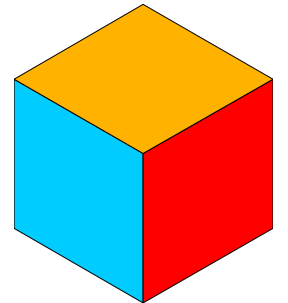
- Introduce the symbols for addition and subtraction.

Measurement

- Use common words to describe parts of the day (morning, afternoon, night) and time (today, tomorrow, yesterday).
- Identify tools that measure time.
- Identify landmark times to the hour (lunch is at noon).
- Compare objects by length (shorter, longer); weight (lighter, heavier); capacity (more than, less than).
- Compare length and weight of objects to a reference object.

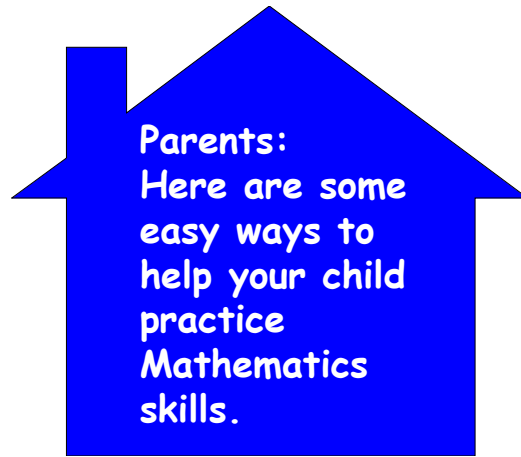
Geometry

- Relate three-dimensional shapes to their geometric name. For example, a ball is a sphere, and a box is a cube, etc...
- Identify, sort, and group shapes by similarities and recognize shapes that do not belong.



Data and Probability

- Use pictographs to aid in data collection and organization (1 picture in a graph equals 1 object).



Numbers and Operations

- Count items at home (spoons on the table, shirts in a drawer, number of books on a shelf) by ones.
- Count pairs of shoes by 2's, fingers and toes by 5's and 10's up to 30.
- Use the words "less than" and "more than".
- Create flashcards out of index cards and use them to practice naming numbers and putting numbers in order, 1 through 30.
- Use 10 pennies and come up with different combinations to make 10 (5+5, 6+4, etc).
- Read counting and number books.



Algebra

- Help your child see connections between addition and subtraction in everyday life. When grocery shopping, you can pick out 3 apples and ask your child to pick out 2 apples. Then ask, "How many apples do we have now?" Count the apples together.

Measurement

- Talk about your day using the words morning, afternoon, and night.
- Ask your child what she/he did yesterday.
- Show your child the clocks and calendars in your house and tell how you use them.
- Compare 2 stuffed animals using the words shorter, taller, same size.

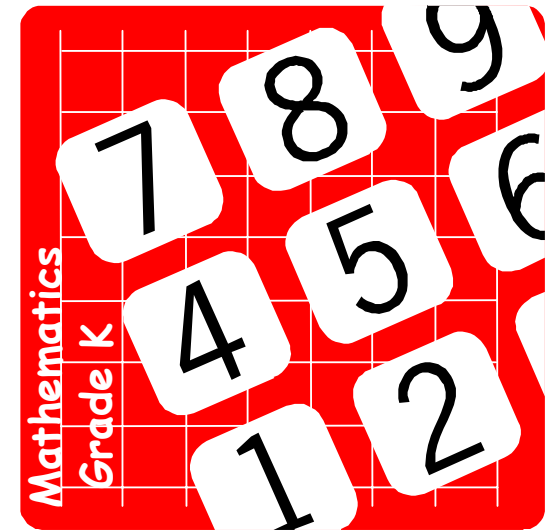


Geometry

- Play with blocks and use the geometric names like sphere and cube.
- Compare the shapes of packages in the grocery store (pop cans are cylinders, cereal boxes are rectangular prisms, etc).
- Sort plastic containers by size and shape.

Data and Probability

- Sort objects like buttons and candy by color, type, or shape.
- Sort a small bag of M&Ms by color and place each color in a straight line. Ask your child: "Which color has the most? The least?"



Whitmore Lake Elementary School

In Kindergarten,
we're teaching
your child
important
mathematics
skills.

What are these skills?

How can you help your child practice them?

...exceptional,
personalized education

For more good ideas, ask your child's teacher, or contact:
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