

# Dear Parent,



We're excited to have your child in Fourth Grade 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 Fourth Grade 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.

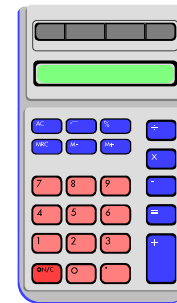
### Data and Probability

- 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 Fourth Grade, we teach Mathematics skills that will help your child:

### Numbers and Operations

- Read, compare order, and round numbers to 6 digits.
- Memorize basic facts for multiplication.
- Compute addition and subtraction problems up to three digit numbers with and without regrouping.
- Begin to compare order, add, and subtract fractions and decimals.
- Use calculators to problem solve.



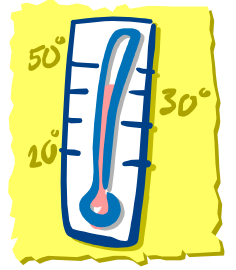
### Algebra

- Construct, read, and interpret a various types of graphs and tables.



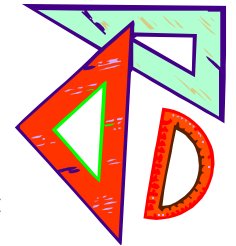
### Measurement

- Review measurement concepts and skills including money, time (especially elapsed time), temperature, volume, and length in metric and standard.
- Use the proper measurement tool to complete the task.
- Find the perimeter and the area of a given space.



### Geometry

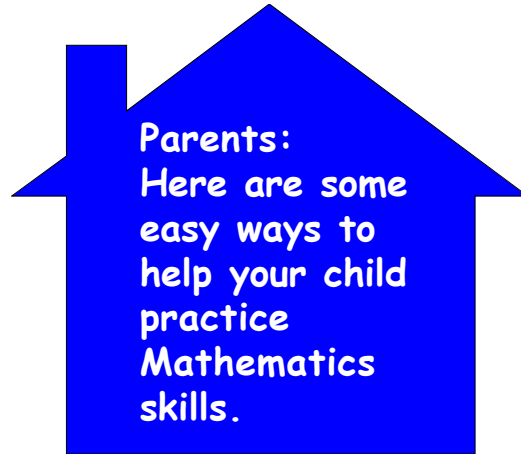
- Identify relations among geometric figures.
- Identify the number of faces and vertices of a 3-D geometric figure.
- Identify types of angles: right, acute and obtuse.



### Data and Probability

- Make predictions based on the information given.
- Select and apply appropriate problem solving strategies to solve multi-step problems.





### Numbers and Operations

- Practice math facts with flash cards and games.
- Have students add up the grocery expenses as you go through the store.
- Provide opportunities for children to do math facts in their heads.
- Allow the children to experiment with calculators.



### Algebra

- Help your child begin to understand the relationship between distance, rate, and time by making up problems such as “Bill ran 50 yards in 12 seconds. How many feet did he run per second?”

### Measurement

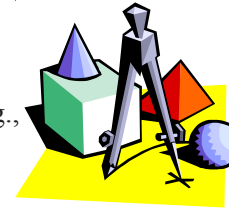
- Provide opportunities for children to experiment with measurement tools.
- Include children in household chores that require measurement: cooking, building, timing.
- Provide your child with an analog clock, not just a digital. Have them try to find the time for 20 minutes from now. When eating or leaving at a specific time, ask

how much time will elapse before you eat or leave.

- Ask your child questions about the right tools for measuring something or which is the best unit for measuring. (example: From our house to school, would we measure in inches, feet or miles?)

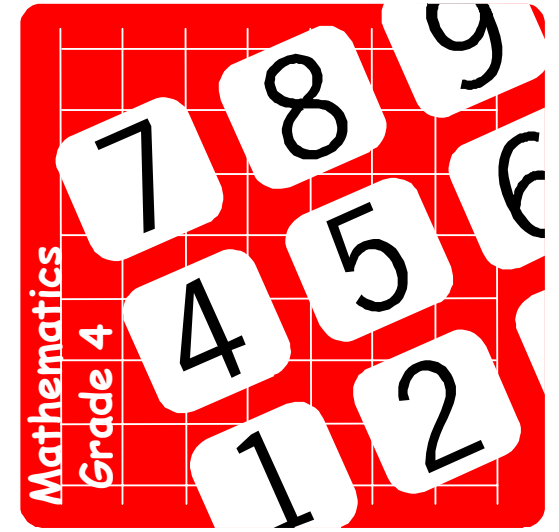
### Geometry

- Play I-spy using geometric figures. (e.g., “I-spy something that is a cube.”)
- Build things together using blocks and ask for blocks by their geometric name (rectangular prism, cylinder, sphere).



### Data and Probability

- Play games with spinners and dice. Try to predict what number will come up next. Keep track of each spin to look for patterns.
- Point out different graphs and tables as you notice them (newspapers, opinion polls, etc.).
- Make a prediction about the number of candies or a particular color of candy in a package. Open the package, then sort and graph them.



Whitmore Lake Elementary School

In Fourth Grade, 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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