



**SAINT GEORGE
SCHOOL**
FOUNDED 1965



Porfirio Herrera No. 6, Ensanche Piantini.
Santo Domingo, D. N. Rep. Dominicana



T. 809 562 5262 F. 809 562 5015
www.stgeorge.edu.do

MATHEMATICS, 5th PREP

Teacher: Ms. Rosita Dilone

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Academic year: 2011-2012

1. INTRODUCTION AND DESCRIPTION OF COURSE

Fifth grade Math students explore complex mathematical operations and apply concepts to real world problems. This program teaches for understanding. Students are able to engage in deeper and more independent learning. Lessons in students' edition explain the mathematics that the students need to understand and the skills they need to master with step-by-step instruction. When linking reading and writing to math, students become more adept at understanding word problems and identifying what they need to do.

2. SKILLS

Students will:

- Develop computational skills using larger numbers up to trillions.
- Estimate sums and differences before finding exact solutions.
- Expand understanding of and facility with basic arithmetic operations applied to fractions.
- Explore and connect concepts of ratio proportion and percent to fraction.
- Develop computational skills using decimals.
- Through a proprietary research-based series of lessons, develop abilities to analyze and solve work problems, involving arithmetic operations and various number systems (fractions, decimals, ratios percent) to lengths.
- Identify and apply characteristics of polygons and circles.
- Relate English and metric units of measure to lengths, capacity, weight and temperature.
- Expand understanding of statistics, probability and graphical representation of data.



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3. CONTENT

- Place value and number sense
- Geometry
- Decimals, fractions, and mixed numbers
- Addition and subtraction
- Multiplication and division
- Number theory
- Algebra
- Coordinate graphs
- Data, graphs, and charts
- Patterns
- Consumer math
- Ratios, proportions, and percents
- Measurement
- Time
- Statistics and probability

4. TEXTBOOKS AND OTHER RESOURCES

Core text requested and other printed resources to be used in the course. Other resources will include www.edhelper.com

Students are expected to have the following material for class: Notebook for class notes, notebook for homework, black pens, pencils, eraser, sharpener, geometry set (rulers, protractor, compass, etc.)

5. TEACHING STRATEGIES

Students will benefit from a wide range of teaching approaches and strategies, including but not limited to: individual, pair and group work; a variety of written, oral activities; question and answer; small group and whole class discussion; independent and group research; debate; vocabulary crossword puzzles; math Jeopardy trivia game; collection of math puzzles and riddles; math games; math animated applets; math lesson media clips and PowerPoint presentations.



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6. EVALUATIONS

Students will be evaluated on a regular basis, based on the following:

Class work	40%
Participation	10%
Homework	10%
Notebook	10%
Test and Quizzes	30%

7. OTHER REMARKS REGARDING OUR CLASS

Students must observe rules described on Wellness Manual, students are expected to hand in assignments on time, parents are requested to keep track of their work, sign the agenda and view notices sent.