Sacred Heart School
Math
Kindergarten

Patricia Fleury
Kindergarten
fleuryp@sacredheartgroton.org

The kindergarten math program introduces our students to both concrete mathematical concepts of number theory, as well as more abstract problem solving and special reasoning. The program fosters an understanding of math in everyday life, and encourages the student to think and express himself accurately in abstract terms. Ideally, as the child becomes more confident in his/her problem solving abilities, the framework will be set for more advanced mathematical reasoning throughout his/her educational experience.

Course Content:
- Math facts
- Number theory
- Geometry
- Measurement
- Data collection and Graphs

Objectives:
The student will:
- Count objects and recognize sets of objects
- Identify positional and comparison relationships
- Discriminate similarities and differences in objects to create sets and patterns
- Sort, classify, and order objects by size, number, and other properties
- Identify the numbers 1-10, number words, sets of objects, and ordinal numbers 1-10
- Identify numbers 11-30
- Write number symbols zero through thirty
- Rote count to 100
- Solve simple math sentences using the plus, minus and equal symbols both in verbal and written form
- Make and use measurement in problems in everyday situations
- Compare sets using the terms more and less, greater than and fewer than
- Identify a circle, square, rectangle, and triangle and their properties
- Identify geometric shapes in school and at home
- Identify and discuss the value of a penny, nickel, dime, quarter, and dollar bill
- Identify the concepts of time with regards to the calendar, and seasons
- Read both a face clack and digital clock on the hour and half hour

- Use picture graphs and bar graphs to gather information from pictures and opinion polls

Course Material:
- *enVisionMATH,* Scott Foresman-Addison Wesley
- Various manipulatives (i.e., counters, pattern blocks, puzzles, etc.)
- Art Supplies
- Stories

Instructional strategies:
- Lecture
- Storytelling
- Viewing/Listening/Answering
- Problem Finding/solving
- Data Collection
- Collaborative Learning Groups
- On-line technology through the use of an interactive white board