

Sacred Heart School
Mathematics
First Grade

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The first grade math program will provide the students with a foundation in counting and number patterns through 120, comparing and ordering numbers to 100, addition and subtraction facts to 20, adding and subtracting double digit numbers, measurement and data, and geometry. In addition, the students will continue to develop math vocabulary while developing critical thinking and problem solving skills.

Course Content:

- Understanding Addition
- Understanding Subtraction
- Five and Ten Relationships
- Addition and Subtraction Facts to 12
- Addition Facts to 20
- Subtraction Facts to 20
- Counting and Number Patterns to 120
- Tens and Ones
- Comparing and Ordering Numbers to 100
- Adding with Tens and Ones
- Subtracting with Tens and Ones
- Length
- Time
- Using Data to Answer Questions
- Geometry
- Fractions of Shapes

Objectives:

The student will:

- add and subtract within 20, with fluency within 10 using a variety of strategies
- use addition and subtraction to represent and solve problems

- develop an understanding of the relationship between addition and subtraction
- apply properties of operations as strategies to add and subtract
- count, read, write, and represent any number less than 120
- develop an understanding of place value
- add two digit numbers and one digit numbers
- add a two digit number and a multiple of 10
- subtract multiples of 10 (10-90 range) from multiples of 10
- compare two digit numbers using $>$, $=$, $<$
- measure objects using other objects
- compare and express the length of three objects
- tell time in hours and half-hours using analog and digital clocks
- represent and interpret data
- distinguish between defining and non-defining attributes
- draw two dimensional or three-dimensional shapes and use them to create a composite shape, and make new shapes from the composite
- divide circles and rectangles into two and four equal parts and use the appropriate vocabulary
- explain the reasoning used in solving problems

Course Materials:

- enVision Math, Common Core, Scott Foresman-Addison Wesley
- SMART board
- Various manipulatives

Instructional Strategies:

- Whole group instruction
- Small group instruction
- One on one instruction
- Peer partners
- Modeling
- Hands on exploration

Assessments:

- Daily work
- Observational Assessment
- Performance Assessment
- End of Unit Assessment