

Math 8 – Course Outline

St. Brigid School 2014-2015

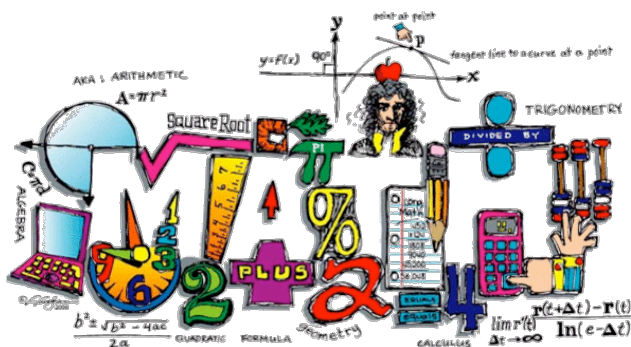
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Course Overview:

Number		Shape and Space
<p>Number sense can be thought of as intuition of numbers. A true sense of number goes well beyond the skills of simply counting, memorizing facts and the situational rote use of algorithm. Number sense develops when students connect numbers to their own real-life experiences and when students use benchmarks and referents</p>		<p>The development of spatial sense enables students to solve problems involving 3-D objects and 2-D shapes and to interpret and reflect on the physical environment and its 3-D or 2-D representations. Some problems involve attaching numerals and appropriate units (measurement) to dimensions of shapes and objects.</p>
Patterns and Relations		Statistics and Probability
<p>Mathematics is about recognizing, describing and working with numerical and non-numerical patterns. Students must learn to recognize, extend, create and use mathematical patterns. As part of the study of mathematics, students look for relationships among numbers, sets, shapes, objects and concepts. The search for possible relationships involves collecting and analyzing data and describing relationships visually, symbolically, orally or in written form.</p>		<p>Events and experiments generate statistical data that can be used to make predictions. It is important to recognize that these predictions (interpolations and extrapolations) are based upon patterns that have a degree of uncertainty. Chance addresses the predictability of the occurrence of an outcome. As students develop their understanding of probability, the language of mathematics becomes more specific and describes the degree of uncertainty more accurately.</p>
Topics		
Unit	Title	
1	Integers	
2	Understanding Squares	
3	Fractions	
4	Measurement	
5	Geometry	
6	Percents	
7	Ratios and Rates	
8	Equations and Relations	
9	Data Analysis and Graphing	
10	Probability	
-	Review	

Student Resources: **MathLinks 8**
Class Website



Course Evaluation:

Exams/Tests	20%
Projects	15%
Assignments	40%
Classwork	10%
Final Assessment	15%
Total	100%

General Information

Notes, handouts and assignments **MUST** include your name and date, whether you hand it in or not. Notes and handouts are to be kept in a neat and tidy order in your Science binder throughout the year. I will conduct random binder checks to ensure that this is done. All assignments and projects are to be completed on time.

Students are responsible for class work and/or assignments missed in the event the student is away from school.

Classroom Expectations

1. Arrive on time with all required materials and be prepared to listen, work and participate.
2. Submit ALL assignments on time, and *always* include your name and the date.
3. Only quality work is accepted and marked – some assignments may have to be resubmitted before they are given a mark.
4. Respect yourself and others.
5. Be aware of your rights and responsibilities as a student in this classroom.

Materials and Supplies Required

- ✓ 3-ring binder or duotang with loose-leaf paper and dividers
- ✓ Pencils, pens, erasers, pencil crayons, ruler, etc.
- ✓ MathLinks8 textbook
- ✓ Scientific Calculator
- ✓ Agenda

I hope that you will have a very successful, productive and enjoyable year. Please feel free to ask for clarification on any class work or assignments that you are experiencing difficulty with. I look forward to working with you!

Miss Campbell 😊