



Investigations into Mathematics Course Expectations 2008-2009

John T. Baker Middle School

301-253-7010

Welcome to Investigations into Mathematics! You will build on all you learned in your previous math classes to extend your knowledge of discrete mathematics, patterns, and functions.

Teacher: _____

Email: _____

UNITS OF STUDY

Unit	Title	Enduring Understandings	End of Unit Assessment
1	Statistical Applications and Set Theory	<ul style="list-style-type: none"> Graphical representations and statistical measures influence interpretations and predictions about data. Relationships can be represented using set theory. Real numbers are either rational or irrational. 	October 6
2	Real Number Systems	<ul style="list-style-type: none"> Operations with real numbers can be used to solve problems. Proportional situations involve multiplicative relationships. 	December 1
3	Investigation of Geometry	<ul style="list-style-type: none"> Geometric figures are constructed and transformed while maintaining proportional attributes. Relationships exist among the angles, sides, lengths, perimeters, areas, and volumes of geometric figures. 	January 15
4	Patterns, Relations, and Functions	<ul style="list-style-type: none"> Patterns and relationships can be represented graphically, numerically, symbolically, and verbally. 	February 18
5	The Language of Algebra	<ul style="list-style-type: none"> Generalizations of patterns and relationships can be expressed symbolically using equations and variables. Linear relationships are characterized by a constant rate of change. 	April 1
6	Other Operational Systems	<ul style="list-style-type: none"> Other number bases and operational systems are useful. 	May 11
	MSA	March 16 - 27	
7	Probability	<ul style="list-style-type: none"> The interaction of events affects probability. 	June 4
	Final Exams	June 9 - 15	

COMMUNICATION:

- Mathematics teachers will communicate to parents through Edline, progress reports, interims, report cards, the student planner, email, and phone calls as needed.
- You may reach the teacher through email or phone call.

ABSENCES: It is expected that you will attend class everyday and complete each assignment. If you are absent for any reason, your missing work will be available the following day in your classroom folder. Homework assignments missed because of absences must be completed within two class periods.

SUPPLIES NEEDED *everyday*:

- two pencils and paper
- IM textbook (*Glencoe Pre-Algebra 2008*)
- TI-83 or TI-84 graphing calculator