***TMSA Math I Course Syllabus***

***Teacher Contact Information***

Robin Lindauer: Contact me through email at rlindauer@tmsacademy.org.

The class website is at lindauermath1.weebly.com.

***Course Outline***

Math I provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data.

***School Provided Materials***

Text:Pearson Math I online textbook: [www.pearsonrealize.com](http://www.pearsonrealize.com)

***Student Required Materials***

* A one inch three-ring binder with pockets is strongly recommended.
* Loose leaf notebook paper.
* **PENCILS ONLY.**
* Personal Graphing Calculator: TI-83 or TI-84 is required. **Please write your name on your calculator**. (No sharing calculators please.)
* Dry erase markers, graph paper, ruler and erasable colored pencils for class activities.

***STEM Integration***

Triangle Math and Science Academy is now integrating STEM instruction into all courses. For math 1, this means that for the majority of our class time, students will be investigating material in a collaborative manner through problem-solving, rather than receive total direct instruction.

***Units and Essential Questions***

* Unit 1: Foundations for Algebra
	+ Representing quantities, patterns and relationships.
	+ Properties related to Algebra.
* Unit 2: Solving Equations
	+ Evaluating equivalent equations.
	+ Solving equations.
	+ Proportional relationships.
* Unit 3: Solving Inequalities
	+ Relationships between quantities that are not equal.
	+ Inequalities expressed in different forms are equal.
	+ Solving inequalities.
* Unit 4: Introduction to Functions
	+ Represent and describe functions.
	+ Apply to real world situations.
* Unit 5: Linear Functions
	+ Meaning of slope.
	+ Geometric meaning of equations.
* Unit 6: System of Equations and Inequalities
	+ Solve a system of equations or inequalities.
	+ Model real world situations.
* Unit 7: Exponents and Exponential Functions
	+ Represent a number less than 1 in exponential form.
	+ Simplify exponential expressions.
* Unit 8: Polynomials and Factoring
	+ Expressions that appear to be different.
	+ Properties of real numbers.
* Unit 9: Quadratic Functions and Equations
	+ Characteristics of quadratic functions.
	+ Solve quadratic equations.
* Unit 10: Radical Expressions and Equations
	+ Represent radical expressions.
	+ Characteristics of square root functions.
* Unit 11: Data Analysis and Probability
	+ Data collection.
	+ Representing data in different forms.

***TMSA Plagiarism and Cheating Policy (From Student Handbook)***

***Cheating and plagiarism are deceptive choices made by students to misrepresent the student’s true knowledge of the subject material (cheating) or misrepresenting information as their own ideas/concepts/words by not giving proper credit to the original source (plagiarism). All papers or projects submitted at TMSA are required to be in the student’s own words unless stated in writing by the teacher otherwise. Therefore, any copying of information from the Internet or any other source (i.e. “cutting & pasting”, etc.) is considered plagiarism. However, quotations, drawings and/or pictures may be taken from the Internet or other source as long as they are properly cited in the document.***

***Please note that students may suffer additional consequences from their clubs/organizations for instances of cheating and plagiarism. Below are the classroom consequences for cheating/plagiarism:***

***First offense: assignment is given automatic, permanent zero. The teacher will create a discipline write up for the student and contact the parents.***

***Subsequent offenses: assignment is given automatic, permanent zero. The teacher will create a discipline write up for the student and the Discipline Coordinator will determine further consequences.***

**GRADING POLICY:**

**Each quarter**: **60% major:**

a) all tests are announced

b) formulas are permitted on tests unless otherwise noted

c) calculators are not permitted on tests unless otherwise noted

d) no retakes of any test

e) tests are not sent home

**30% medium:**

 a) quizzes are announced

 b) formulas are permitted on quizzes unless otherwise noted

 c) calculators are not permitted on quizzes unless otherwise noted

 d) can be independent, group, take home, homework, classwork and/or notebook

 e) no retakes of any quiz

 f) projects may be included

**10% minor (homework and test corrections):**

1. test corrections are required for any test score below a 98% before bonus

b) test corrections are due back 1 week after tests are graded

c) all missed questions will be written on a separate sheet of paper and

 reworked correctly

d) test corrections may be turned in multiple times without a penalty

 e) homework is assigned after each class with the possible exception of test days

 f) homework is checked for completion only as answers are provided

 g) homework should show all work for credit

 h) late homework is worth half credit

**Final Grades**: Each quarter is worth 20% and the End Of Course Exam is worth 20%.

**SIGNATURE PAGE FOR MATH I.**

**Please return this page signed. It counts as our first homework assignment.**

**This syllabus constitutes an academic contract between parent, teacher and student.**

**Agreement: I have read the Math I course overview. I agree to abide by the conditions outlined in this course description, come to class prepared to work and participate in class activities, exhibiting respect, cooperation and honesty with my teacher and fellow students. I will place this syllabus in the front of my notebook for future reference.**

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 Print Student’s Name: Please be neat!

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Student’s Signature Date

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Parents’ Signature Date

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 Parent email: Please be neat! Additional Parent email

**NOTE: If you would like your student included on class emails, absent work and general communication, please write their email address below.**

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Student email: Please be neat!

**Please email me with any comments or concerns.**

**Robin Lindauer**

**TMSA Math I Teacher**