

MATH 1 HONORS COURSE SYLLABUS 2014 - 2015

Teacher : **Mrs. Erly Buena**
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Room #54
Phone: (831) 633-5221 ext. 294
5th-6th Period

Course Description:

The purpose of Math 1 is for students to have a comprehensive and thorough understanding of the relationships between quantities, linear and exponential relationships and reasoning with equations. It will also enhance their knowledge of descriptive statistics. It will connect algebra and geometry through coordinates and will feature congruence, constructions and proof. In addition to the core standards, Math 1 Honors topics also include the study of vectors, matrices and plane geometry.

The Mathematics Vision Project (MVP) curriculum will be used to realize the Common Core State Standards using a task-based approach that leads to skill and efficiency in mathematics by first developing understanding. The MVP approach is neither purely constructivist nor purely traditional. Rather, the approach takes seriously the Standards of Mathematical Practice and develops these practices through experiential learning in mathematics. Students engage in mathematical problem solving, guided by the teacher with the desired outcome that students will achieve mathematics proficiency. The lesson begins by confronting students with an engaging problem and then allows them to grapple with solving it. As students' ideas emerge, take form, and are shared, the teacher orchestrates the student discussions and explorations towards a focused mathematical goal. As conjectures are made and explored, formative assessments will be used to guide students as they embrace effective strategies for analyzing and solving problems. Students justify their own thinking while clarifying, describing, comparing, and questioning the thinking of others leading to refined thinking and mathematical fluency.

Textbooks/Supplemental Materials

Mathematics Vision Project : <http://www.mathematicsvisionproject.org/secondary-mathematics-i1.html>
Mathematics Assessment Project: <http://map.mathshell.org/materials/index.php>

Supplies Needed

Notebook (solely for Math 1 class; required to be submitted every grading period)
Scientific calculator – recommended to own
pencils; erasers
binder paper, graph paper
2-pocket poly folder
dry erase markers + old sock for eraser

Grading Scale

Letter Grades

<i>MATH 1 Honors</i>	<i>Math 1 Honors Applications</i>	A+	97	C+	77
Assignments (HW/CW) 20%	21st Century - 40%	A	94	C	74
Active Engagement/ Participation 10%	<i>(every Tue/Fri – 5th Period)</i>	A-	90	C-	70
Quizzes 15%	ALEKS - 40%	B+	87	D+	67
Tests 40%	<i>(every Mon/Wed – 6th Period)</i>	B	84	D	64
Final Exam 15%	Extension Activities – 20%	B-	80	D-	60
		F(not passing) Below 60			

Student Support

In the classroom, you are required to ask questions for inquiry or clarity. I can also assist you with work after school or during lunchtime. A class buddy will also be assigned to you for assistance in case of absence.

Tests and Quizzes

Quizzes will be given on a regular basis. Quizzes may or may not be announced, so be prepared by asking questions if you do not understand something. You **MUST** show all your work on quizzes to receive full credit.

Tests will be cumulative in nature so be sure that you keep reviewing prior topics that have been covered. Tests will be announced at least two days prior to the day that it is given. Test questions will be any combination of open response or short answer. You will be given credit only for answers that show work. Notebooks and books will not be allowed during a test or quiz. Formula sheets will only be allowed if provided by the teacher.

You must keep all returned tests/ quizzes / worksheets in your folder. Do not throw away any assignment paper. They will be consolidated for Math Magazine – a portfolio/project at the end of the semester

Extra Credit

Opportunities for extra credit will be available if all the required assignments have been taken care of.

Late Work

Late work is accepted for partial credit of 50% the day after it was checked.

Absences

Students are responsible for any work missed due to an absence. A one-day extension is given for each day of authorized absence. Being absent in class before a test/quiz does not excuse you from having to take the test. If a student is absent on a test or quiz day, the student is responsible for scheduling a make-up time with the instructor before or after-school within two days.

Classroom Responsibilities

- Everyone has the right to learn. Every student must follow the school and class rules so they do not infringe on the rights and comforts of others.
- Respect – yourself, your classmates, your teacher and the school community.
- Effort – stay focused on task, do your best every time, be prepared and on time.
- Support – ask for help, offer help and look out for your classmates.

Classroom Expectations

- It is the student's responsibility to come to class with appropriate work and supplies ready to start learning.
- Raise your hand to ask questions, contribute to class discussion or to leave seat during class.
- All assignments must have appropriate headings (name, date, period, assignment description). No credit is given to assignment without name. Work **MUST** be shown for all problems.
- Work together as a team on class work. Test and quizzes must be completed on your own. School rules about cheating/plagiarism will be implemented. *Parents will be immediately contacted.*
- Instructional time is extremely important. You are only allowed three bathroom/hall passes per semester. Use these only for emergencies. Unused bathroom/hall passes will be redeemed for extra credit points at the end of the semester.

Hints for Success in Math 1 Class!

- Prepare for class. It is very important to read and study all that you are assigned of. ***Homework is assigned everyday.***
- Participate actively in class (take notes, ask questions and work with your group).
- Review what you learned in class.
- Be RESPONSIBLE for yourself: Ask questions before, during or after class/school.
- Have a POSITIVE ATTITUDE.
- Try to do your BEST at all tasks you must undertake.

Please return this page to Mrs. Buena. The syllabus should be kept in your folder.

STUDENT ACKNOWLEDGMENT

My parents/guardians and I have read and discussed the syllabus for Mrs. Buena’s Math 1 Honors class. We understand the requirements, expectations and consequences for the class and will participate together to achieve the highest possible success.

Print Student Name

Student Signature

To the Parents/Guardians,

I look forward to teaching your child Math 1 skills this year. If there is anything I should know that will help him/her be more successful this year, please add your comments below. I believe that it is extremely important that communication between students, their parents and myself should be clear and open at all times. Should there be any questions or concerns, please contact me immediately. I will also contact you via your preferred method listed below as needed.

Print Names of Parents/Guardians

Parents’/Guardians’ Signatures

Preferred mode of contact: _____ Phone _____ Email

Phone Number(s) _____

E-mail _____

Comments or questions:

