MICANOPY ACADEMY
2019-2020

Course Title
8th Grade/Pre-Algebra

Teacher Contact Information

Mr. Brenton Washington; Room 3

Planning Period– 3rd Period – 10:15 to 11:00

bwashington@micanopyacademy.com

Welcome to 8th Grade/Pre-Algebra. I believe that all students can and will learn mathematics. Keep in mind that learning mathematics is not a spectator sport; you must participate to stay in the game.

Course Description
Pre Algebra is the first math course in high school and will guide you through among other things integers, one-step equations, inequalities and equations, graphs and functions, percent, probabilities. We also present an introduction to geometry and right triangles.

Standards

Expressions and Equations	Geometry	Functions	Statistics and Probability
Proportional Relationships, Non-Proportional	Transformational Geometry	Comparing and Analyzing Functions	Statistics
Solving Linear Equations and System of Linear Equations	Angle Relationships	Proportional and Non-Prop Functions	Frequency Tables
Exponents and Integer Exponents	Pythagorean Theorem		
	Volume		

Course Objectives
Students will use the Common Core State Standards for Mathematical Practice to …
1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Required Materials
Glencoe McGraw-Hill Florida Math Connects 2011 Course 3 text book. You are expected to bring your book to class every day. A 1" 3-ring binder or multiple notebooks, pencils, paper, and calculator is also required for this course.

Major Assignments and Assessments

Quizzes will be given throughout the chapter to give you a chance to practice for the chapter test. You can expect to have a quiz every section, unless informed otherwise. Tests will be given at the end of each chapter. We will dedicate ample time the day before for questions and review. Re-takes will be offered for failing quiz/test scores. New scores will be averaged with previous scores for a final score. In order to re-take an assessment, students must show that they have reviewed their mistakes by completing a reflection sheet. All re-takes must be completed within 3 days from receipt of the original assessment. All re-takes are to be completed before school, during lunch and recess, or after school. A final exam will be a comprehensive test given at the end of each semester (no re-takes). Please note that quizzes and tests are individual assignments and are not to be worked on collaboratively with others. When students finish, they must remain quiet to give fellow classmates the opportunity to finish their quizzes/tests.

Classroom Rules of Conduct
1. Be Respectful, Be Responsible, Be Safe
2. Bring required materials every day, be organized and prepared for class
3. Use polite speech and body language
4. No food/candy or drinks
5. All school rules in the MA Student Handbook also apply at all times.

Tardy Policy
All students must be at their seat when the bell rings. Students in the classroom, but not at their desks will be marked tardy. Students that have not yet entered the classroom will also be marked tardy. If you are not here by 9:22, you will be marked late unless you were instructed by another faculty member to meet with them before school.

Use of Electronics
All unauthorized electronic devices (phones, ipods, etc..) should not be visible and are not allowed to be used during class time. Students will not have earbuds or headphones in during class instruction or during exams. Refusal to follow this policy will result in a referral. Unauthorized electronic device use during assessments will result in a zero & a referral.

Passes
Students are expected to be in class during class time! Students will have only 1 emergency pass to leave the classroom per two weeks (not per class, total per two weeks). No more than one student may leave the classroom at a time. Once you have used all of your emergency passes, you will not be allowed to leave any class for any reason, unless instructed by another faculty member.

Homework Policy
Homework will be given daily and due the following school day. It is important that you attempt each problem. The exercises do not all have to be correct –in the learning process you will not get all the exercises right the first time- but you must show that you made a reasonable attempt to answer every exercise. You will have an opportunity to ask questions from the homework the following day. At that time, you should make corrections. Please be sure that you come prepared with a question and not just requesting the answers to the homework assignments. Credit will be given based on completeness and correctness. Late work is accepted with a 50% grade decrease and will be due within a day from said due date.

Makeup Work Policy

Students are expected to attend school every day and arrive on time. It is the students responsibility to contact me before/during/after an absence to inquire about any make-up work, quizzes, tests, etc. that you may have missed during an excused absence. If _YOU_ do not do this, _YOU_ will receive a zero!

Grades			Letter Grades			Semester Grades	
Classwork/Participation	10%		A	90-100		Quarter 1	50%
Homework	20%		B	80-89		Quarter 2	50%
Projects	20%		C	70-79		Quarter 3	50%
Quizzes	20%		D	60-69		Quarter 4	50%
Tests	30%		F	0- 59			

Career Options with this Field of Study

One of the benefits of studying mathematics is the variety of career paths it provides. Some popular career choices include…

- Actuarial Science: takes mathematics and statistics and applies them to finance and insurance
- Computer Science: the study of the theoretical foundations of information and computation and their implementation and application in computer systems
- Operations Research: uses mathematical methods to arrive at optimal decisions to problems in maximizing or minimizes things like costs or profits
- Biomathematics: models natural and biological processes using mathematical techniques and tools
- Finance: studies and addresses the ways in which individuals, businesses, and organizations raise, allocate, and use monetary resources over time, taking into account the risks entailed in their projects
- Cryptography: the practice and study of hiding information. Cryptography applications include the security of ATM cards and computer passwords

Some resources for this include:

- McGraw-Hill online- http://connected.mcgraw-hill.com
- Khan Academy- http://www.khanacademy.org

PARENT / STUDENT RECEIPT & ACKNOWLEDGEMENT OF SYLLABUS

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Please review this syllabus with your child and sign below. Return only this page to the teacher and keep the syllabus for reference.

Student: I have read this syllabus and understand all of the information contained in it. I agree to abide by all of the rules and expectations listed.

Student Signature _____ Date_____

Printed Student Name_____

Student e-mail to use for correspondence _____
□ Student has computer access at home.
□ Student has internet access at home.

Parent/Guardian: I understand all of the information contained in this syllabus and I have reviewed it with my child. My child has agreed to abide by all of the rules and expectations listed. Note: Any Accommodations/ Modifications for students will be implemented according to their IEP.

Parent Signature_____ Date_____

Printed Parent Name_____

Parent's e-mail to use for correspondence _____
□ Parent has computer access at home.
□ Parent has internet access at home.

Comments or questions: