Instructor: Ms. Noelani Harman
Email: nharman@scottsdaleprep.org
Blog: https://harman-math.weebly.com

Course Overview and Objectives

Welcome to 6th grade math! Pre-algebra is the first year of college preparatory mathematics and sets the foundation for all subsequent mathematics courses. Students will become proficient in arithmetic using whole numbers, integers, fractions, decimals, and percent. Furthermore, students will begin to acquire a basic familiarity with abstract mathematical modeling.

Semester 1
- Chapter 1: An Introduction to Algebra
- Chapter 2: The Decimal System
- Chapter 3: Positive and Negative Numbers
- Chapter 4: Rational Numbers
- Chapter 5: Equations and Inequalities
- Chapter 6: Geometry

Semester 2
- Chapter 7: Ratio, Proportion, and Percent
- Chapter 8: The Coordinate Plane
- Chapter 9: Areas and Volumes
- Chapter 10: Square Roots and Right Triangles
- Chapter 12: Statistics
- Chapter: 11 Probability
- Chapter 13: Polynomials

This is a general guide and may be adjusted throughout the year.

Each chapter will be assessed with at least one quiz and a test. Each semester will conclude with a cumulative final exam.

Some tips for success in this course include:
- **Take notes** during class and keep them organized.
- **Complete, correct, and keep** daily homework.
- **Participate** in class discussion, work on in-class problems, and ask lots of questions.
- **Prepare** for quizzes and tests by reviewing your notes and completing the **chapter study guide** and any **assigned review problems**.
- **Seek extra help** if you are struggling!

Course Materials

- Pencil/eraser (pen is **not allowed** on any assignment, including tests and quizzes)
- Lined or graph paper for homework
- Binder (to keep all notes, homework, and assessments)
- Textbook (needs to be brought to class every day)

Tutoring Hours

Tutoring is available Monday-Thursday during Lyceum in room 110 or by appointment

Course Expectations: Assignments and Assessments

<u>Participation:</u> Participation is an important part of the mathematics classroom, although participation in math can look very different than it does in other classes. I certainly understand that personalities vary, and I do not expect every student to contribute to the classroom in the same ways. However, <u>maintaining a focused academic presence</u>, <u>answering and asking questions</u>, and <u>presenting homework solutions</u> are all excellent ways of being an active member the learning community. You will receive a weekly participation grade.

<u>Tests:</u> A test will be given after the completion of each chapter. Tests are the formal assessment of your understanding of the topics we have been discussing in class. You will be given 3-4 days' notice in class and on the blog prior to each test. A <u>study guide</u> will be provided before each test.

<u>Quizzes:</u> At least one quiz will be given after the first half of each chapter. Quizzes are intended to assess how well you are progressing with the material in each chapter, and to make you aware of any topics on which you need to get clarification. You will be given 2-3 days' notice in class and on the blog prior to each quiz.

<u>Homework:</u> Homework is assigned almost every night. It is due the following day unless otherwise scheduled. Each problem should be attempted. If you absolutely do not know how to solve/complete a problem you will write the problem down on your homework sheet and the following day in class you will list that problem number on the whiteboard so we can go over it.

- In order to receive full credit on a homework assignment you must **use the correct heading, attempt every problem, show your work, and check all problems with available solutions using a different colored pen or pencil.**
- Keep all homework in your binder to help study for tests.

Absent Policies

- If you are absent one or two days, you will have one day for each day you missed to make up assignments. If you are absent three or more days in a row, we will work together on a plan to get you caught up. <u>If you are absent, it is your responsibility to get the notes and assignments that you missed, and to turn in any make-up work</u>.
- If you miss **only** a test or a quiz, <u>expect to make it up the day you return.</u>
- If you miss **only** a review day, <u>expect to take the test with the rest of the class.</u>

Late Assignment Policy

Late homework will be accepted **for a lower score** up until the chapter test. However, it is very important that you do your best to stay on top of all homework assignments.

Course Grading

Course Work	Percentage
Participation	15%
Homework	15%
Quizzes	20%
Tests	50%
TOTAL	**100%**

Academic Policies and Institutional Resources

All student work (tests, quizzes, homework, projects) will be returned within one week of submission, with minor exceptions. Essays will be returned within two weeks of submission. Please refer to Scottsdale Prep's Family Handbook pp. 26-38 for more information on the academy's policies.

Cut--Cut and Return--Cut

Dear Parents/Guardians,

Please take the time to read this syllabus with your student, so that you both may understand the expectations and requirements for this class. After reading the syllabus, please sign below to indicate that you have read and understand this information, tear off this page, and return to your student. Your student's first assignment will be to return this page, with your signature, to me by Friday, August 9th. Please feel free to contact me at any time throughout the semester with any questions or concerns.

Sincerely,
Ms. Noelani Harman

Student Name (Please Print): _____ Period (e.g. 3rd): _____

Student Signature: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____