# Cheetah's Team 7th Plus Math Syllabus

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Welcome to the start of a new school year! This year, students will be studying mathematics from the Connected Mathematics Program (CMP) and Common Core materials. The curriculum is problem centered and covers the 7th grade standards in addition to some 8th grade standards. Therefore, students will investigate mathematical ideas within the context of realistic problems, as opposed to looking only at numbers. Some problems involve real-world applications or unusual situations, while others are purely mathematical. I am excited about this curriculum and its potential for helping students develop strong mathematical knowledge and skills and look forward to a successful year for all of my students.

## Supplies Needed

- **Binder:** 3-inch binder that will be used for all core classes. Students are expected to keep all their assignments and handouts in this binder at all times.
- **Pencils:** Students are expected to do math work in pencil only.
- **Correcting Pens:** red, green, purple, etc
- **Paper:** An ample supply of loose-leaf notebook paper. **(college or wide rule)**
- **Hand held pencil sharpeners**

## North Carolina Common Core Performance Standards

| 7th Grade Common Core Standards | 8th Grade Common Core Standards |
| --- | --- |
| **Ratios and Proportional Relationships**<br>Analyze proportional relationships and use them to solve real-world and mathematical problems.<br>**The Number System**<br>Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.<br>**Expressions and Equations**<br>Use properties of operations to generate equivalent expressions.<br>Solve real-life and mathematical problems using numerical and algebraic expressions and equations.<br>**Geometry**<br>Draw, construct and describe geometrical figures and describe the relationships between them.<br>Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.<br>**Statistics and Probability**<br>Use random sampling to draw inferences about a population.<br>Draw informal comparative inferences about two populations.<br>Investigate chance processes and develop, use, and evaluate probability models. | **Expressions and Equations**<br>Work with radicals and integer exponents.<br>Understand the connections between proportional relationships, lines, and linear equations.<br>Analyze and solve linear equations and pairs of simultaneous linear equations.<br>Work with radicals and integer exponents.<br>Understand the connections between proportional relationships, lines, and linear equations.<br>Analyze and solve linear equations and pairs of simultaneous linear equations.<br>**Geometry**<br>Understand congruence and similarity using physical models, transparencies, or geometry software.<br>Understand and apply the Pythagorean Theorem.<br>Solve real-world and mathematical problems involving volume of cylinders, cones and spheres. |

| Rules and Classroom Management Policies | Consequences |
| --- | --- |
| - Be in your seat when the bell rings<br>- Raise hand before speaking or moving from seat (unless otherwise instructed)<br>- Be prepared to learn/ bring all materials to class<br>- Follow directions the first time they are given<br>\*\* Be respectful to each other, the teacher, and classroom\*\*<br>**(Classroom Dojo** behavior management will also be implemented in my classroom to track students' behavior. | - **1st offense:** verbal warning<br>- **2nd offense:** silent lunch<br>- **3rd offense:** student/teacher conference and parent contact<br>- **4th offense:** parent/teacher conference<br>- **5th offense:** office referral |

**\*\*\*\*ALL homework, quizzes and tests MUST be completed in PENCIL!!\*\*\*\***
**Extra credit will be given periodically!!!**
Students turning in late homework without an excused absent can receive an maximum grade of 80

## Grading Summary

| Grading Scale | Types and Weights of Assessments |
|---|---|
| A  93-100 <br> B  85-92 <br> C  77-84 <br> D  70-76 <br> F  below 70 | • Homework – 10% <br> • Classwork participation – 20% <br> • Quizzes – 30% <br> • Tests/Projects – 40% |

### Homework: (10%)
Students will receive homework every night.  It is important that all assignments be completed on time in order to be fully prepared for the quizzes and chapter test.  All assignments will be graded for completeness and effort and will be reviewed in class.  If a student has missed an assignment due to an absence, he or she should make it up following the guidelines in the student handbook.  (**Note** - late homework without an excused absence may receive a maximum grade of 80% and minimum of 60%)

### Quizzes: (30 %)
Quizzes could be on one or several concepts within a chapter. Students will quiz every Friday; however, it can be announced or a total surprise. It is important for students to review their notes daily and be prepared!  Students will be required to keep an organized notebook of warmups, notes, and assignments/quizzes.

### Classroom Participation: (30%)
Students are expected to participate and be engaged during class. Students must complete in-class assignments, participate in class discussions, and complete blog posting. Points will be awarded based on the number of questions asked and answered, answering posted blogs, bell-ringers, as well as completing assignments during class.

### Test: (40%)
At  the end of each unit and individual test is given. This serves as an opportunity for students to show what they, as individuals, have learned from the whole unit. Points will be assigned based on the amount of work asked for to solve each problem. Not all problems are awarded the same number of points.
**Test  Corrections:** Students will be allowed to make test corrections on graded end of unit test/ assessments. Students may earn a maximum of 10 additional points for accurately completing test corrections.

### Project:  (40%)
Students will receive a small project at the end of every unit. Students will have the option to work in groups or individually. If a student wants to work in groups, he or she will be responsible for selecting group members. **I, the teacher will not select or assign students to groups.**

### Remind101 (  Mrs. Baptist's math classes)
To receive  class messages via text, text**@mrsbap** to **(919) 283-5736**. You can opt-out of messages at any time by replying, 'unsubscribe @mrsbap'.

## Online Textbook
Go to the website listed below: www.bigideasmath.com/students/?free=1  **Math 7 Plus:** Click on the RED book labeled Accelerated.

Thank you for sharing your student with me this year. I look forward to an awesome year of learning! If you have any questions of concerns at any time during the year, please do not hesitate to contact me.

**Student Signature** _____ **Date** _____

**Parent Signature** _____**Date** _____