

Math 6 Syllabus

Cicely Tyson Middle/High School
6th Grade Mathematics
Monday - Friday
Full year Course

Ms. Dickens
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Welcome and Introduction

Welcome to 6th Grade Mathematics, I'm your instructor, Ms. Dickens. We'll be together for the next 40 weeks. In this course, we'll come together to help you learn to progress in your educational endeavors, more knowledge and skill will be required for each level. This course will foster a development and understanding of operations and ratios. Students will acquire skills in utilizing geometric concepts to solve real-world problems. Students solve one-step equations and inequalities involving real numbers. Problem solving in the course includes modeling applications with fractions and decimals. It develops other important mathematics topics including expressions and statistics.

Course Theme (overarching ideal)

If people do not believe that mathematics is simple, it is only because they do not realize how complicated life is.

Course Goals/Essential Questions

- Foster a development and understanding of operations and ratios
- Acquire skills in utilizing geometric concepts to solve real-world problems
- Solve one-step equations and inequalities involving real numbers
- Modeling applications with fractions and decimals

Methods of Instruction

Students will be given challenging real-world application projects and assignments. High quality work is expected. Classroom activities will include authentic hands-on-activities, problem solving, projects, content-based games and research. Students will work in cooperative groups and pairs, but will be expected to complete individual assignments in relation to the cooperative work. Formal assessment methods will include written exams, tests, and projects with rubrics, quizzes and written reports. Informal assessments will include class content games, student response, and group discussion. Instructional activities are designed based on our district curriculum guide and the NJ Student Learning Standards.

Attendance and Make-Up Work

See School Handbook for Attendance Policy.

Absences are recognized for the following reasons:

1. Absences to participate in official school/district activities (performances, field trips, athletic events, etc.)
2. Absences for medical reasons
3. Pass indicating with Administrator/Guidance/Nurse/CST/Social Worker/Discipline
4. Passes indicating you are with another teacher must be cleared first by the period teacher if you are planning to be more than 10 min. late.

If you miss class for any reason, you are responsible to get class notes as well as missed assignments from a classmate. The missed assignments are do back the following day that you come back to school.

Course Requirements and Grading

- Students will be graded on classwork, homework, projects, quizzes and tests. The following is the weight of these components.
 - Classwork – 20%
 - Homework – 10%
 - Projects – 20%
 - Quizzes – 20%
 - Tests – 30%
- Students will also be expected to follow class rules, which will affect their classwork grade. Students are also expected to complete all assignments in class or at home in the given time. They are also required to participate in class activities and discussion.
- Students will be given Semester projects.
- Students will be given weekly assessments every Friday.
- Students will be administered Unit Assessment every 6-7 weeks that will count towards their cycle grade as well as Renaissance Assessments that will be given 3 times during the year that will also count towards their cycle grade.

Opportunities for Extra Support

By appointment or given hours/After school/lunch time – After School Tutoring Program starts Oct.1

How to Reach Me

See the information on the top of this syllabus on how to reach me. Please use the email provided and you may expect a response within 24-48 hours.

Required text/E-book/Online Resources Used

GO Math, Mobymax

Supplies: Binder, loose leaf paper, binder dividers, folder, 2 packs of pencils, erasers, and a pencil sharpener

Quarterly/Unit Schedule

Unit I Dates: September 9th – October 25th

- List of Topics/SLOs
 - Fractions
 - Decimals
 - GCF/LCM
 - Ratios
 - Rates
 - Assignments/projects/Assessments
 - Homework will be assigned periodically
 - Major projects for the cycle
 - Bi-weekly Reasoning Assessments
 - Other assessments periodically
 - Unit Assessment after every 6-7 weeks

Unit II Dates: November 1st – January 3rd

- List of Topics/SLOs
 - Percents
 - Exponents

- Order of Operations
- Expressions
- Equations
 - Assignments/projects/Assessments
 - Homework will be assigned periodically
 - Major projects for the cycle
 - Bi-weekly Reasoning Assessments
 - Other assessments periodically
 - Unit Assessment after every 6-7 weeks

Unit III Dates: January 13th – February 28th

- List of Topics/SLOs
 - Integers
 - Absolute Value
 - Rational Numbers
 - Coordinate Planes
 - Assignments/projects/Assessments
 - Homework will be assigned periodically
 - Major projects for the cycle
 - Bi-weekly Reasoning Assessments
 - Other assessments periodically
 - Unit Assessment after every 6-7 weeks

Unit IV Dates: March 9th – June 1st

- List of Topics/SLOs
 - Area
 - Surface Area
 - Volume
 - Measure of Center
 - Box Plots, Dot Plots, Histogram
 - Assignments/projects/Assessments
 - Homework will be assigned periodically
 - Major projects for the cycle
 - Bi-weekly Reasoning Assessments
 - Other assessments periodically
 - PBL Activity