

Cosby High School
2020-2021
Course Syllabus

Course: Integrated Mathematics 1

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Required Textbook: Integrated Mathematics 1 Volume 1: Houghton Mifflin Harcourt
Integrated Mathematics 1 Volume 2: Houghton Mifflin Harcourt

Required Technology:

- Calculator - A Texas Instruments graphing calculator is required for this course. The following models are acceptable for use on the Tennessee state End of Course (EOC) exam: TI-83, TI-83+, TI-84, TI-84+, or TI Silver Edition. (There is a class set)
- School issued chromebook (or other laptop/phone)
- Google classroom (class code: **ddtjmpk**)
- Remind (class code: **@3g4dk9k**)
- Khan Academy
- Ck-12
- Seneca
- Edulastic
- Study Island

Course Prerequisite: 8th grade math

Course Description: Integrated Mathematics I is a course that enables students to develop a strong conceptual understanding and mastery of key mathematics standards. Some key concepts include: algebraic models, linear functions, equations, and inequalities, systems of linear equations, exponential relationships, transformations and congruence, lines, angles, triangles, and quadrilaterals. Students will use physical models to represent, explore, and develop abstract concepts. Students will also use required technology (Khan Academy, Ck-12, Seneca, Edulastic, Study Island) to apply mathematical concepts to real world situations.

EOC: This course requires students take a State of Tennessee EOC (End-of-Course) exam to show proficiency of the mathematical content which will comprise 15% of the course grade.

Course Supplies:

- Paper
- Notebook
- Pencil
- Pen
- Highlighter
- Graph Paper
- Calculator
- Chromebook

Instructional and Evaluation Method:

- **Grading Scale:**
 - A: 93 - 100
 - B: 85 - 92
 - C: 75 - 84
 - D: 70 - 74
 - F: 0 - 69
- Homework average is 40% of grade
- Quiz average is 20% of grade
- Test average is 40% of grade

Grades will be posted in aspen.

Homework: There will be daily homework assignments. Students can find the homework assignments in the corresponding week in google classroom. Homework assignments will be worth 40% of the students final grade.

Quizzes: There will be multiple quizzes throughout the semester. Quizzes could be in class, take home, or homework assignments. Quizzes will be worth 20% of the students final grade.

Tests: Tests will be given after chapters, units, or concepts. Test corrections will be allowed for partial credit after a test. If a test is missed due to an absence, the student will have to make an appointment with the teacher to make up the test. Tests will be worth 40% of the students final grade.

Makeup Work: It is up to the student to see the teacher about any missing/makeup work. The student should talk to the teacher the day the student returns to school for any and all makeup work. This includes all homework, quiz, and test assignments. The student will have a week to complete the assignment. If the student fails to contact the teacher about the missing work or fails to complete the makeup work, the grade on the missing assignments will be a zero.

Late Work: Students can find due dates of assignments on google classroom. If a student fails to turn in an assignment by the due date, they will have three days to turn in the assignment. The first day the assignment is late, the grade will automatically be deducted 10 points. The second day the assignment is late, the grade will automatically be deducted by 25 points. The third day the assignment is late, the grade will automatically be deducted 30 points. If the student fails to turn in the assignment in four days, the grade will be counted as a zero.

Attendance: Attendance is critical in order to pass the course. Many lessons will build upon what the student learned the day before. It is important the student comes to class so that they can complete the assignments for that day. It is also important to complete missing assignments in a timely manner so that the student stays on pace with the learning objectives.

Students are also required to submit attendance assignments for **remote learning days** in google classroom. Find the attendance assignment in the corresponding week to the date under “classwork” in google classroom.

Tardy Policy:

- 1st-3rd Tardies: Teacher warning
- 4th Tardy: Administration warning
- 5th Tardy: Lunch detention
- 6th-7th Tardy: One block of in-school suspension
- 8th-9th Tardy: One day of in-school suspension and parent contacted
- 10th Tardy: Two days of in-school suspension and parent meeting

Classroom Rules:

- Be on time for class
 - Be in assigned seat with material out on desk ready to begin
- Be prepared for class
 - Have all previous homework completed
 - Have all required materials
- No cell phones
 - Cell phones should be up and off

- Do not touch the intercom phone or thermostat
- Stay in seats until bell rings
- Be respectful of others personal space and belongings
- Do not leave trash or other belongings behind
 - Pick up after yourself

Integrated Mathematics I is broken down and clustered into the following:

- Quantities and Modeling
 - Quantitative Reasoning
 - Algebraic Models
- Understanding Functions
 - Functions and Models
 - Patterns and Sequences
- Linear Functions, Equations, and Inequalities
 - Linear Functions
 - Forms of Linear Equations
 - Linear Equations and Inequalities
- Statistical Models
 - Multi-Variable Categorical Data
 - One-Variable Data Distributions
 - Linear Modeling and Regression
- Linear Systems
 - Solving Systems of Linear Equations
 - Modeling with Linear Systems
 - Piecewise-Defined Functions
- Exponential Relationships
 - Geometric Sequences and Exponential Functions
 - Exponential Equations and Models
- Transformations and Congruence
 - Tools of Geometry
 - Transformations and Symmetry
 - Congruent Figures
- Lines, Angles, and Triangles
 - Lines and Angles
 - Triangle Congruence Criteria
 - Applications of Triangle Congruence
 - Properties of Triangles
 - Special Segments in Triangles
- Quadrilaterals and Coordinate Proof
 - Properties of Quadrilaterals
 - Coordinate Proof using Slope and Distance