

Math 8

COURSE SYLLABUS

2022 - 2023

Ms. Kyla Rae

CLASSROOM: 129

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A. DESCRIPTION:

Over the course of the year, you will learn about representing data through various types of graphs and how data and information can be misrepresented. You will gain an understanding of ratios, rates and proportions. We will explore square roots and how we can use them and the Pythagorean relationship to solve problems. You will further your understanding of number concepts such as percents, decimals, integers and fractions. We will examine relationships between numbers and use these relationships to make generalizations.

B. COURSE TOPICS:

- Unit 1: Representing Data
- Unit 2: Ratios, Rates and Proportional Reasoning
- Unit 3: Pythagorean Relationship
- Unit 4: Understanding Percent
- Unit 5: Surface Area
- Unit 6: Fraction Operation
- Unit 7: Volume
- Unit 8: Integers
- Unit 9: Linear Relations
- Unit 10: Solving Linear Equations
- Unit 11: Probability
- Unit 12: Transformations

C. TEXTBOOK AND REQUIRED SUPPLIES:

Please ensure that you bring the following materials to class every day.

- Interactive Notebook
- Pencil
- Calculator

D. GRADING PLAN

HOMEWORK: You are expected to complete each homework assignment given to you, the results of which will be used as a form of assessment.

ASSESSMENT TASKS AND EXAMS: You will complete an exam at the end of every unit. Additionally, you will be given various assessment projects which will take various forms including art projects, escape rooms and real world considerations. You will be graded based on your understanding of the concepts included within the assessment task using a rubric shown to you at the time of the assessment task.

MID-TERM: You will be writing a mid-term exam early in 2023. This will be a cumulative exam covering everything we have learned up until that point. More information on this exam will be given closer to the time.

FINAL EXAM: There will be a final exam that you will write at the end of the year. More information about the exam will be shared closer to the date.

E. BREAKDOWN OF GRADE

PROJECTS AND ASSIGNMENTS: 30%

EXAMS: 40%

MIDTERM: 10%

FINAL EXAM: 20%

TOTAL: 100%

F. CLASSROOM RULES OF CONDUCT

ARRIVAL: You are expected to arrive in class on time. Please enter the room quietly and find your seat. There will be some information on the board that will direct you until class begins.

DISMISSAL: The bell does not dismiss you. Please do not begin to pack any belongings until after you are dismissed by the teacher. Upon being dismissed, please quietly pack your belongings and quietly leave the classroom.

RESOURCES: Student resources are available to you should you need to use them. If you require any resources, please ask for the materials you need and they will be provided to you.

GROUP WORK: There will be opportunities for working within groups. During these times, please be sure that you remain on topic and are respectful to your fellow classmates. If it is found that work is not taking place during these times, opportunities for group work will not be given.

MISSED WORK: Please ask me for any of the assignments that you missed as a result of an absent. If you've previously lost your assignment, they can be accessed through my class website (QR Code is posted by the door) or Google Classroom. You are responsible for printing these documents and handing them in.

CELL PHONES: It is a school wide policy that all cell phones should be left in your locker and not to be used in class.

If you are seen using your cell phone, one of the adults in the room will ask you for your phone and it will be placed in the office for the remainder of the day.

Upon being asked, if you give up your phone right away it will be taken to the office. If you refuse to hand over your phone, you will be sent to the office and will lose phone privileges for the day.

G. EMERGENCY PROCEDURES

FIRE DRILL: Students will exit the room in single file and head to the Aquatic Center parking lot. If you are in the hallways when the alarm goes off, please exit the building with the hallway supervisor and rejoin your class outside. Please line up right-left in alphabetical order behind Ms. Rae. You may only return to the building once you have been given clearance to do so. In the event that an alarm goes off during a break, exit the building near the nearest exit and proceed to the Aquatic Center as normal. Line up behind the teacher of the class you **JUST** had.

LOCK DOWN: All students need to enter the nearest classroom. All cellphones must be turned off and handed into the teacher. There must be no talking, whispering, etc. for the duration of the lockdown. We will all gather in the front left corner of the room near the storage cupboard. No one will be permitted to leave or enter the room.

CLEAR THE HALLS: If you are in the halls, enter the nearest classroom. You will remain in the classroom until given notice to do otherwise.

TENTATIVE SCHEDULE

Date	Lesson
September	Chapter 2: Ratios, Rates and Proportional Reasoning
October	Chapter 3: Pythagorean Relationship
November	Chapter 4: Understanding Percents
December	Chapter 5/7: Surface Area & Volume
TBD	Mid Term Exam
January - Mid-February	Chapter 6: Fraction Operations
February - March	Chapter 8: Integers
March - April	Chapter 9/10: Linear Relations and Equations
April - May	Chapter 1: Representing Data
May	Chapter 11: Probability
June	Chapter 11: Transformations