



Course Title: Special Day Class - 7th grade Mathematics

Instructor: Natalie Bianco

Support Teacher: Isabel Makram (Bilingual - Spanish)

Instructor Availability: Lunchtime and after school by student request

Instructor Contact: Room 30, phone (619)263-2171 ext. 2130

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## Course Description:

The Special Day Class (SDC) program in Mathematics is structured to implement and combine academic, organizational, social and life skills along with the personal goals outlined in your student's Individualized Education Program (IEP). The course is created in alignment with the framework of the Common Core State Standards (CCSS). Embedded in our program is a combination of academic and personal skill-building lessons to provide a well-rounded approach to academic instruction in addition to filling in gaps from previous years of instruction in mathematics as well as in reading and writing. This approach, along with the accommodations and modifications described in your student's IEP, provide an academic program that is individualized and supportive of ALL of our learners.

## GPA Grading Guidelines:

Category	Grading Criteria	Percentage
Classwork	<ul style="list-style-type: none"><li>Completion/Quality</li></ul> <p>(Must have a minimum of 1 weekly grade)</p>	30%
Demonstrations of Learning	<ul style="list-style-type: none"><li>Key Course Assignments</li></ul> <p>(See course syllabus for Unit Key Assignments)</p>	35%
Homework/Independent Learning	<ul style="list-style-type: none"><li>Any work assigned to a student in which they complete on their own outside of class.</li></ul> <p>(Must have a minimum of 1 weekly grade)</p>	10%
Quarter Finals	<ul style="list-style-type: none"><li>Quarter finals are course specific, standards based exams that cover content from the 9 week quarter.</li></ul>	25%

\* Classwork/Participation and Homework/Independent Learning will be updated weekly.



Prerequisites: Individualized Education Program (IEP)

Course Materials: Computer with access to internet (Khan Academy, Learning Upgrade, Google)

Course Structure: This course is designed to provide a multi-modal approach to remedial and content-based instruction. Students will utilize technology, access textual resources and take part in interactive lessons.

Course of Study:

Introductory Unit

4 WEEKS

Content Standards	Learning Objectives	Key Assignments/Exams
Remedial and IEP goal instruction.	<ol style="list-style-type: none"><li>1. Students will master basic multiplication and division facts through 12.</li><li>2. Students will practice organizational skills.</li><li>3. Students will re-learn school culture.</li><li>4. Students will review skills to prepare for 7th grade content standards.</li></ol>	<ol style="list-style-type: none"><li>1. Multiplication and division mastery.</li><li>2. Video game project.</li></ol>

Ratios and Proportional Relationships

2 WEEKS

Content Standards	Learning Objectives	Key Assignments
<u>CCSS.MATH.CONTENT.7.RP.A.1</u> Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.  <u>CCSS.MATH.CONTENT.7.RP.A.2</u> Recognize and represent proportional relationships between quantities.  <u>CCSS.MATH.CONTENT.7.RP.A.3</u>	<ol style="list-style-type: none"><li>1. Students will be able to identify parts of a whole from a visual representation</li><li>2. Students will be able to identify the relationship of two quantities as they compare to one another from a visual representation</li><li>3. Students will be able to recreate their own visual representation and number sentence representing proportional relationships</li><li>4. Students will be able to identify proportional relationships within a word problem</li></ol>	<ol style="list-style-type: none"><li>1. Create-your-own word problems and visual poster</li><li>2. Unit study guide and test</li></ol>



Use proportional relationships to solve multistep ratio and percent problems.	<ol style="list-style-type: none"><li>Students will be able to use numbers to represent quantities in relation to another quantity after reading a word problem</li><li>Students will be able to calculate tax and tip.</li></ol>	
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## The Number System - Operations with Fractions

4 WEEKS

Content Standards	Learning Objectives	Key Assignments/Exams
<u>CCSS.MATH.CONTENT.7.NS.A.1</u>  Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.  <u>CCSS.MATH.CONTENT.7.NS.A.2</u>  Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.  <u>CCSS.MATH.CONTENT.7.NS.A.3</u>  Solve real-world and mathematical problems involving the four operations with rational numbers.	<ol style="list-style-type: none"><li>Students will be able to identify rational numbers on a number line.</li><li>Students will be able to solve equations with fractions using all 4 operations (add, subtract, multiply, divide).</li></ol>	<ol style="list-style-type: none"><li>Plotting on a number line</li><li>Face-ing math</li><li>Unit study guide and test</li></ol>

## Mid-Year Project

3 WEEKS

Content Standards	Learning Objectives	Key Assignments/Exams
Addresses skills from: CCSS, IEP goals.	<ol style="list-style-type: none"><li>Students will compile and reflect upon Middle School coursework.</li><li>Students will gather work samples and create visual representation of progress over Middle School coursework.</li></ol>	<ol style="list-style-type: none"><li>Student portfolio</li><li>POL</li></ol>



## Expressions and Equations - Properties of Operations and Expressions Equations

4 WEEKS

Content Standards	Learning Objectives	Key Assignments/Exams
<p><u>CCSS.MATH.CONTENT.7.EE.A.1</u> Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.</p> <p><u>CCSS.MATH.CONTENT.7.EE.B.3</u> Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically.</p> <p><u>CCSS.MATH.CONTENT.7.EE.B.4</u> Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.</p>	<ol style="list-style-type: none"><li>1. Students will be able to identify different parts of different types of equations (vocabulary).</li><li>2. Students will be able to identify positive and negative rational numbers and place them on a number line.</li><li>3. Students will understand that letters can represent numbers.</li><li>4. Students will be able to identify variables within equations.</li><li>5. Students will be able to replace variables with their appropriate value.</li><li>6. Students will be able to use variable to represent numbers in words problems.</li><li>7. Students will be able to use reasoning skills and letters to solve problems with variables.</li></ol>	<ol style="list-style-type: none"><li>1. Variable expression puzzle assignment</li><li>2. Unit study guide and test</li></ol>

## Geometry

5 WEEKS

Content Standards	Learning Objectives	Key Assignments/Exams
<p><u>CCSS.MATH.CONTENT.7.G.A.1</u> Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.</p> <p><u>CCSS.MATH.CONTENT.7.G.A.2</u> Draw (freehand, with ruler and protractor, and with technology) geometric shapes with given conditions.</p>	<ol style="list-style-type: none"><li>1. Students will be able to measure shapes using rulers as well as computer technology.</li><li>2. Students will be able to use a scale to determine an object or shapes relative size measurement.</li><li>3. Students will be able to draw shapes based on a given measurement.</li><li>4. Students will understand how to solve for area and circumference of a circle.</li><li>5. Students will understand terminology and how to identify different types of angles.</li></ol>	<ol style="list-style-type: none"><li>1. Geometry project (building models) and POL</li></ol>



<u>CCSS.MATH.CONTENT.7.G.B.4</u>  Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.  <u>CCSS.MATH.CONTENT.7.G.B.5</u>  Use facts about supplementary, complementary, vertical, and adjacent angles.		
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Statistics and Probability

4 WEEKS

Content Standards	Learning Objectives	Key Assignments/Exams
<u>CCSS.MATH.CONTENT.7.SP.A.1</u>  Understand that statistics can be used to gain information about a population by examining a sample of the population.  <u>CCSS.MATH.CONTENT.7.SP.C.7</u>  Develop a probability model and use it to find probabilities of events.  <u>CCSS.MATH.CONTENT.7.SP.C.8</u>  Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.	1. Students will be able to identify vocabulary pertaining to statistics. 2. Students will be able to identify and determine the best type of display for a data set. 3. Students will be able to use a variety of displays to represent a data set. 4. Students will be able to define probability. 5. Students will be able to determine probability from a variety of data displays.	1. Data collection and plot project 2. Unit assessment

Course Specific Student Expectations: What do you expect of your students?

- Basic skills mastery (addition, subtraction, multiplication, division)
- Accommodated access and exposure to grade level standard content strands (CCSS)

Accommodations/Modification and Supports:

Any student who requires accommodations, modifications or additional supports should contact me as early as possible so that we may arrange accommodations, modifications and supports.

GPA Student Expectations:



School-wide Attendance: All students are expected to be punctual and in their classroom seat, ready to learn for each day. Under California law (Ed. Code 48200) all children between the ages of six and eighteen are required to be enrolled and in regular attendance at school. GPA families know that school attendance is the critical first step to make sure that each student receives an education that will help them on their path to college. Students cannot learn what they need to be prepared for the next grade level, if they are not in school. The more absences from school a student has, the more they fall behind in their classes and the more difficult it will be to make it to college.

Planner Use: All students are expected to write all assignments in their GPA planner daily. Your first GPA planner will be provided by the school to support organization and time management.

Homework Completion: As a school working toward college preparation, all GPA students are expected to complete their daily/weekly assignments. Students who fail to complete their homework assignments on time, and are unexcused, will be required to attend lunch and after school tutoring support daily until completed. Until all assignments are completed, students may not be eligible for athletics, clubs, and other extracurricular activities.

Electronic Device Policy: Cell phones, smart watches, and other electronic communication devices that can send and/or receive data are not permitted to be visible, heard, or used in any manner during school hours except by approval of school authorities. Any violation and/or disruption of the learning process will result in the confiscation of the item. The parent/guardian must pick up the confiscated item from the Office of Student Conduct or the teacher.

Computer/Internet Usage Policy: Students may not use computers and/or the GPA network without proper adult supervision. The teacher/staff will choose resources on the Internet that are appropriate for classroom instruction and/or research for the needs, maturity, and ability of their students.

### *Acceptable Use-*

- Access to any site that provides information relevant to current class assignments
- Access to college or university websites
- Use of teacher approved educational software (games, instructional tools, etc.)

Academic Integrity: Honest behavior is an expectation for all students at Gompers Preparatory Academy. Our goal is to create and maintain an ethical academic atmosphere. Acts of academic dishonesty that will not be tolerated at GPA are listed below:

- Cheating on any classroom assignment, test, or quiz



- Plagiarism - copying or representing another's ideas, words, or work as one's own, without properly citing the source. Plagiarism includes the misuse of published material, electronic material, and/or the work of other students. The original writer who intentionally shares his/her work for another to copy, without the permission of the teacher, is also engaged in plagiarism.
- Fabrication (any falsification or invention of date, citation, or other authority in an assignment); theft or alteration of materials
- Unauthorized collaboration
- Unauthorized use of electronic devices

Students found in violation of GPA's Academic Integrity Policy will be disciplined appropriately which may lead to formal suspension. Consequences for offenses may include, but are not limited to, detention, *lowering of academic and citizenship grade and/or suspensions/exclusion from extracurricular activities.*

### Standards/Format for Writing Papers - MLA Format:

The standard format for all papers follows the MLA formatting rules:

1. Typed, double-spaced: TIMES NEW ROMAN, 12 font, including title
2. Heading: 4 lines
  - Student name: "Sammy Gompers"
  - Teacher name: Ms. Teacher
  - Course name, period: English I, Period 3
  - Date 06 February 2009
3. All pages numbered: upper right corner, last name and page number; no punctuation, no "p." or "pg."
4. Title: centered, upper and lower case
5. Work Cited/ Documentation Format: It is necessary to credit any source that is used in a paper or project. Plagiarism is considered cheating. All sources must be documented. Citing sources in a paper must be thorough and accurate. MLA formatting for in text citations and works cited is mandatory

### Important Dates:

#### Quarter 1:

- Finals Week: October 23rd and 27th
- Parent Conferences: October 23rd - 27th
- End Date: October 30th

#### Quarter 2:

- Q2 Finals Week: January 22nd - 26th





- Parent Conferences: January 16th - 22nd
- End Date: January 31st

## Quarter 3:

- Q3 Finals Week: April 9th - 13th
- Parent Conferences: April 16th - 20th
- End Date: April 23rd

## Quarter 4:

- Q4 Finals Week: May 29th - June 1st
- End Date: June 26th

Student Signature : \_\_\_\_\_ Parent/Guardian Signature: \_\_\_\_\_

Date: \_\_\_\_\_





