

Integrated 1 Mathematics

2023-2024 - 4th Period

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(After school visitation upon availability
and by appointments)

Course Description

In Intermediate/Integrated Math, we will study and practice multiplication, division, fractions/decimals/percent, ratios & rates, rational/real numbers & its operations, algebraic & linear equations, geometry, measurement, and probability & statistics. In addition to applying mathematical practices, students will use critical thinking, understand and solve mathematical problems, display and communicate mathematical procedures, and work cooperatively to increase mathematical knowledge and performance.

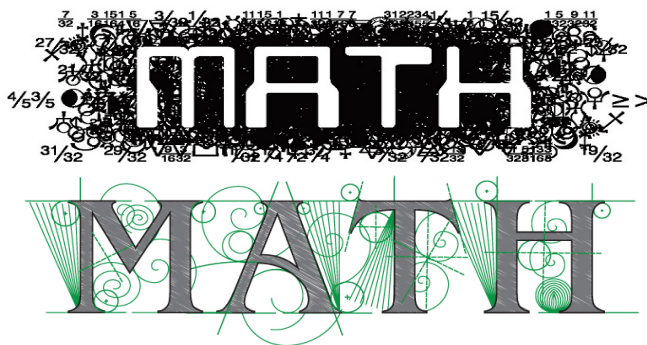
Course Goals

- ★ Understand and analyze ratios and proportional relationships and use them to solve real-world and mathematical problems.
- ★ Compute fluently with multi-digits numbers and find common factors and multiples to apply and extend previous understanding of operations with fractions.
- ★ Understand the system of rational numbers and know that there are numbers that are not rational and approximate them by rational numbers.
- ★ Represent and analyze quantitative relationships between dependent and independent variables and solve real-life and mathematical problems using numerical and algebraic expressions, equations, and inequalities.
- ★ Understand the connection between proportional relationships, lines, and linear equations.
- ★ Solve real-world and mathematical problems involving area, surface area, and volume for shapes including cylinders, cones, and spheres.
- ★ Draw, construct, and describe geometrical figures and describe the relationships between them including geometric congruence and similarity.
- ★ Understand and apply the Pythagorean Theorem
- ★ Develop, use, and evaluate probability models and develop understanding of statistical variability, distributions, and inferences.

Materials

- ★ Charged personal device & charger**
 - Google Classroom (Don't forget to **SAVE**)
 - IXL, Khan, & other educational apps
 - World Wide Web (Don't forget to **LOG-IN**)
- ★ Pencils & erasers
- ★ Line & graph papers
- ★ Spiral notebook & 3-ring binder
- ★ Graph & basic calculator**
- ★ Dry erasers markers
- ★ Coloring & gluing materials
- ★ Positive Attitude
- ★ Good Work Ethics

WSD have Chromebooks & calculators to borrow



Responsibilities & Expectations

- ★ Follow Terriers Pride Expectations and Mr. Joseph's Mathematics & Class Expectations*
- ★ Keep personal devices away during lectures & discussions and keep your personal devices charged for classwork
- ★ Show up on time, be attentive, stay involved, be respectful, be responsible & productive
- ★ Keep up with your assignments
- ★ Be ready to work with ideas & people
- ★ Be good. Learn lots. Have fun. Do your best.

Expectations & policies can be found in the Handbook, in school/classroom, and/or online.

Grading Categories

65% = Performance

(Assignments, Quizzes, Tests, Projects, etc)

25% = Participation

10% = Attendance

Grading Letter

Letter grade	Percent ranges	Scale value
A	93-100	4.0
A-	90-92.9	3.7
B+	87-89.9	3.3
B	83-86.9	3.0
B-	80-82.9	2.7
C+	77-79.9	2.3
C	73-76.9	2.0
C-	70-72.9	1.7
D+	67-69.9	1.3
D	60-66.9	1.0
F	<60	0

*** This syllabus is subject to change at the discretion of Washington School for the Deaf and Mr. Craig Joseph***