Integrated 2 Mathematics
2023-2024 - 3rd Period

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(After school visitation upon availability
and by appointments)

Course Description

In Integrated 2 Math, we will study and practice quantities, seeing structure of algebraic expressions, creating algebraic equations, reasoning with equations and inequalities, representing and solving equations and inequalities graphically, interpreting and building functions especially with linear, quadratic, and exponential models, geometry congruences, and interpreting categorical and quantitative data. . 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.
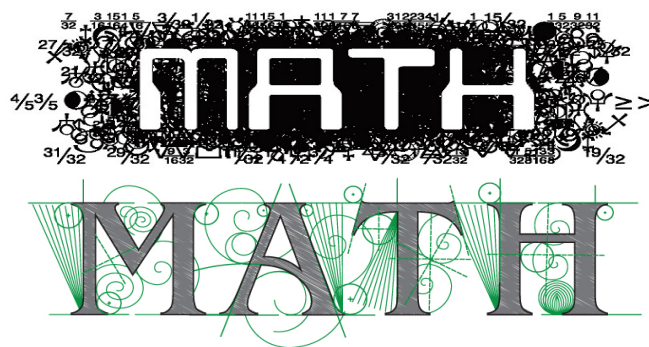
Course Goals

★ Interpret the structure of expressions and write expressions in equivalent forms to solve problems; create equations that describe numbers or relationships; solve equations and inequalities in one variable; solve system of equations algebraically and graphically
★ Understand the concept of a function and use function notation; interpret functions that arise in applications in terms of the content; analyze functions using different representations; build a function that model relationship between two quantities; construct and compare linear and exponential models and solve problems; interpret expressions for functions in terms of situation they model
★ Experiment with geometric transformation in the plane; understand congruence in term of rigid motion; prove geometric theorems
★ Summarize, represent, and interpret data on a single count or measurable variable; summarize, represent, and interpret data on two categorical quantitative variable; interpret linear models

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***