

Math Syllabus

Year	2018-2019
Required Resources	Clever MackinVIA Resources MacMillan McGraw-Hill Texas Mathematics
Process Skills	<ul style="list-style-type: none">– Work with radical and integer exponents.– Understand the connections between proportional relationships, lines, and linear equations– Analyze and solve linear equations and systems of equations.– Understand congruence and similarity using physical models, transparencies, or geometry software– Understand and apply the Pythagorean Theorem



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<p>Syllabus 1st Semester</p>	<p>1st Nine Weeks</p> <p><u>Weeks 1-3</u> Unit 1-2: Order and Sets of Numbers</p> <ul style="list-style-type: none">- Sets and Subsets- Convert from Decimal to Scientific- Order a set of Real Numbers- Approximation of Rational Numbers and Locate Rational Numbers on a Number Line- Solve Equations with Variables on Both Sides <p><u>Weeks 4-6</u> Unit 2-3: Equations and Inequalities Linear Functions</p> <ul style="list-style-type: none">- Solve Equations with Variables on Both Sides- Write Equations, Write Inequalities, and "Real World" Problems- Identifying Functions <p><u>Weeks 7-9</u> Unit 3: Linear Functions</p> <ul style="list-style-type: none">- Slope- Proportional Relationships- Non-Proportional Relationships- Proportional vs. Non-Proportional- Write equations <p>2nd 9 Weeks</p> <p><u>Weeks 1-3</u> Unit 3: Linear Functions</p> <ul style="list-style-type: none">- Systems of Equations- Linear vs. Non-Linear- Trend Lines- Correlation
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	<p><u>Weeks 4-6</u> Pythagorean Theorem</p> <ul style="list-style-type: none">- Angles- Pythagorean Theorem <p><u>Weeks 7-9</u> Unit 4: Area and Volume</p> <ul style="list-style-type: none">- Area- Volume <p>Final Exam</p>
Syllabus 2 nd Semester	<p>3rd Nine Weeks</p> <p><u>Weeks 10-12</u> Unit 4C: Transformations</p> <ul style="list-style-type: none">- Rotations, Translation, and Reflections- Dilations <p><u>Weeks 13-16</u> Unit 5: Financial Planning, Simple and Compound Interest</p> <ul style="list-style-type: none">- Simple and Compound Interest- Mean Absolute Deviation- Investment Growth- College Tuition <p>4th Nine Weeks</p> <p><u>Weeks 17-19</u> STAAR Testing</p>

