

Math Syllabus

Year	2019-2020
Required Resources	Textbook: McGraw Hill Texas Math Course 2 Connect Ed Clever DK find out! Database in MackinVIA App Khan Academy
Process Skills	<ul style="list-style-type: none"> - Apply mathematics to problems arising in everyday life, society, and the workplace - Use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution - Select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems - Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate - Create and use representations to organize, record, and communicate mathematical ideas - Analyze mathematical relationships to connect and communicate mathematical ideas - Display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.



Math Syllabus

<p>Syllabus 1st Semester</p>	<p>1st Nine Weeks</p> <p>Number, Operations, and Application of Integers and Rational Numbers</p> <ul style="list-style-type: none">- Sets and Subsets- Add, Subtract, Multiply and Divide Rational Numbers <p>Ratios, Proportions and Similarity</p> <ul style="list-style-type: none">- Attributes of Similarity- Convert Between Measurement Systems- Solve Problems Involving Similar Shapes <p>Percent and Simple Interest</p> <ul style="list-style-type: none">- Solve Problems Involving Ratios, Rates, and Percentages- Sales Tax
	<p>2nd Nine Weeks</p> <p>Probability</p> <ul style="list-style-type: none">• Represent Sample spaces and Find the Probability of Simple Events• Predictions and Solutions with Theoretical Probability• Predictions and Solutions with Experimental Data <p>Solving Equations</p> <ul style="list-style-type: none">• Solve Two Step Equations and Represent Solutions on a Number Line• Evaluate to determine if a Solution is True• Write Equations• Solve Equations Using Geometry Concepts <p>Solving Inequalities</p> <ul style="list-style-type: none">• Solve Two Step Inequalities and Represent Solutions on a Number Line• Evaluate to Determine if a Solution is True• Write Inequalities



Math Syllabus

Syllabus
2nd Semester

3rd Nine Weeks

Unit Rates, Graphing two-variable equations

- Constant of Proportionality
- Calculate Unit Rates
- Constant Rate of Change and Different Representations

Unit Rates, Graphing two-variable equations

- Linear Relationships and Different Representations
- Determine the circumference and area of a circle

Geometric Relationships

- Area of Composite Figures
- Lateral and Total Surface Area

4th Nine Weeks

Data Representation

- Volume of Rectangular Prisms
- Solve Problems Using Data
- Compare Two Groups of Numeric Data
- Make Inferences about a Population and Compare the two Populations

Budget

Financial Assets and Liabilities

- Monetary Incentives
- Simple and Compound Interest
- Personal Budget
- Family Budget

STAAR REVIEW

