

Mathematics Syllabus

Year	2019-2020
Required Resources	<p>Clever: Envision Textbook, I-Station Math, Mentoring Minds LoneStar, Education Galaxy</p> <p>MackinVia</p> <p>Problem Solving Models Math Manipulatives</p>
Process Skills	<ul style="list-style-type: none"> - Apply mathematics problems to everyday life - Using problem solving models to analyze, formulate, determine , justify and evaluate - Select mathematical tools and techniques: manipulatives, pen and pencil, technology, mental math, estimation, number sense, etc. to solve problems - Communicate mathematical ideas, reasoning, and implications using multiple representations to include symbols, diagrams, graphs, oral and written language - Create and use representations to organize, record, and communicate mathematical ideals - Analyze mathematical relationships to connect and communicate mathematical ideas - Display, explain, and justify mathematical ideas using precise mathematical language
Syllabus 1 st Semester	<p>1st Nine Weeks</p> <p>Foundation of Numbers</p> <p>Addition and Subtraction</p> <p>Building and Understanding Multiplication</p> <p>Exam</p> <p>2nd Nine Weeks</p> <p>Relating Multiplication to Division</p> <p>Application of Multiplication and Division</p> <p>Data Analysis</p> <p>Two- and Three- Dimension Figures</p> <p>Midterm</p>



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Syllabus
2nd Semester

3rd Nine Weeks

Personal and Financial Literacy

Representing Fractions

Fractions – Equivalency and comparisons

Algebraic Reasoning – All Operations

Exam

4th Nine Weeks

Measurement

Essential Operational Understanding (Problem Solving)

Essential Fractional Understanding

Measurable Attributes of Geometric Figures

Final Exam



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