

Cameron R-1 Scope and Sequence

Integrated Math High School (11th-12th grade)

Quarter 1		Quarter 2
Days/Weeks	9 weeks	9 weeks
Name of Unit	Consumer Math	Financial Math
Priority Standards	<p>Use linear equations to determine gas mileage.</p> <p>Use order of operations to solve equations</p> <p>Solve problems involving ratios, rates, percentages and proportional relationships</p> <p>Calculate sales tax, discounts, mark ups and tips</p> <p>Reading pay stubs, calculating gross and net income.</p> <p>Fill out saving account and check registers</p> <p>Calculate simple and compound interest</p> <p>Conduct research on product options to plan future purchases such as phone, care, home or vacation.</p> <p>Calculate an account balance by recording deposits, withdrawals and debit transactions.</p>	<p>Conduct research on product options to plan future purchases such as phone, care, home or vacation.</p> <p>Identify payment methods and analyze the costs and benefits of different payment options.</p> <p>Explain the purpose, functions and costs of a mortgage.</p> <p>Using an amortization schedule to understand differences in length of loan term and total paid</p> <p>Calculate the total purchase price of a good or service including interest paid.</p> <p>Analyze the difference between a credit and a debit account.</p> <p>Compare sources of consumer credit such as credit cards, consumer loans, rent-to-own, title and payday loans.</p> <p>Analyze various terms and conditions of credit cards and consumer loans.</p> <p>Compare the cost of credit between financial institutions based on the Annual Percentage Rate (APR), initial fees charged and fees for late or missed payment.</p> <p>Create a budget that includes saving goals, emergency funds, fixed expenses and variable expenses.</p>

Supporting Standards	Use units of measure as a way to understand and solve problem involving quantities Recognize and represent proportional relationships between quantities Understand the concept of unit rate associated with a ratio, describe meaning of unit rate	Understand how to use equivalent expressions to clarify quantities in a problem
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Key: Priority Standard Supporting Standard

Quarter 3			Quarter 4
Days/Weeks	4 weeks	5 weeks	9 weeks
Name of Unit	Probability & Statistics	Geometry Introduction	Geometry Applications
Priority Standards	<p>Calculate mean, median, mode and range</p> <p>Analyze and interpret graphical displays of data</p> <p>Investigate the probability of chance events</p> <p>Understand independent and conditional probability and use them to interpret data.</p>	<p>Find the point on a directed line segment</p> <p>Define angle, circle, perpendicular line, parallel line, line segment, and ray</p> <p>Use volume formulas for cylinders, pyramids, cones, spheres and composite figures to solve problems.</p> <p>Understand congruence in terms of rigid motions</p> <p>Solve problems involving volume of cones, pyramids and spheres.</p> <p>Understand concepts of area and perimeter</p> <p>Understand the concepts of angle and measure angles.</p> <p>Apply and extend previous understanding of angle measure, area and volume.</p>	<p>Apply geometric concepts in modeling situations.</p> <p>Understand and apply the Pythagorean Theorem.</p> <p>Apply the area and perimeter formulas for rectangles to solve problems.</p>
Supporting Standards	<p>Investigate the relationship between theoretical and experimental probabilities for simple events</p>	<p>Develop the definition of congruence in terms of rigid motions.</p>	<p>Apply geometric methods to solve design mathematical modeling problems.</p> <p>Apply Pythagorean Theorem to the project at hand-finding slope of roof in the house planning project</p>

	<p>Find probabilities of compound events using organized lists, tables, tree diagrams and simulations</p> <p>Understand the definition of independent events and use it to solve problems.</p>	<p>Understand the concept of surface area and find surface area of pyramids</p> <p>Understand the concepts of volume and find the volume of pyramids, cones and spheres.</p> <p>Identify and estimate angles and their measure.</p> <p>Find the area of triangles, quadrilaterals and other polygons composed of triangles and rectangles.</p> <p>Find the volume and surface area of prisms, pyramids and cylinders.</p>	<p>Solve problems involving scale drawings of real objects and geometric figures, including computing actual lengths and areas from a scale drawing and reproducing the drawing at a different scale.</p>
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Key: **Priority Standard** **Supporting Standard**