

**UNIT: Mathematical Models**

\_\_\_\_\_demonstrates an understanding of exponents, and makes connections between the numeric, graphical, and algebraic representations of exponential relations

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\_\_\_\_\_describe and represent exponential relations, and solve problems involving exponential relations arising from real-world applications

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**UNIT: Personal Finance**

\_\_\_\_\_compares simple and compound interest, relates compound interest to exponential growth, and solves problems involving compound interest

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\_\_\_\_\_compares services available from financial institutions, and solves problems involving the cost of making purchases on credit

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\_\_\_\_\_interprets information about owning and operating a vehicle, and solves problems involving the associated costs

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**UNIT: Geometry & Trigonometry**

\_\_\_\_\_represents, in a variety of ways, two-dimensional shapes and three-dimensional figures arising from real-world applications, and solves design problems

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\_\_\_\_\_solves problems involving trigonometry in acute triangles using the sine law and the cosine law, including problems arising from real-world applications

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**UNIT: Data Management**

\_\_\_\_\_solves problems involving one-variable data by collecting, organizing, analyzing, and evaluating data

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\_\_\_\_\_determines and represents probability, and identifies and interprets its applications

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