UbD-based Curriculum Mapping

SAUSD Common Core Aligned Curriculum Map: Math Grade 5 Year at a Glance

Title	Time	Performance Task	Big Idea	Essential Questions	Core Texts
Unit 1: Whole Numbers and Decimals (Number & Operations Base Ten)	1 week Sept	Compare populations of state capitals by converting them to millions with decimal notation.	Different values can be represented in many ways.	• What patterns can we identify in the base ten system? • How does the position of a number determine its value? • How can we simplify the problem solving process? • What kinds of models can be used to represent decimals?	HM Chapter 3
Unit 2: Addition & Subtraction of Decimals (Operations & Algebraic Thinking/ Number & Operations Base Ten)	3 weeks Sept	Plan a trip for your family, adding the mileage between cities, using decimal notation.	Real-world problems can be solved by combining or separating groups.	• How can addition and subtraction of decimals be represented by objects, pictures, words, and numbers? • What are some ways that decimals can be combined or separated? • How are decimals used to represent numbers in real world situations?	HM Chapter 5, 12
Unit 3: Addition and Subtraction of Fractions (Number & Operations–Fractions)	5 weeks Oct/Nov	Choose the items you would take with you as an immigrant from Europe where each person is allotted a certain weight for all their belongings.	Real-world problems can be solved by combining or separating groups.	• How are fractions related to decimals? • How are common denominators used to compare fractions? • What are some ways that fractions can be combined or separated? • How are fractions used to represent numbers in real world situations?	HM Chapters 2, 4, 7, 8, 9
Unit 4: Multiplication and Division of Whole Numbers (Number & Operations Base Ten)	4 weeks Nov/Dec	Compare the areas of various states in square miles.	Real-world problems can be solved by combining or separating groups.	• What patterns do you notice when multiplying or dividing by the powers of ten? • How does using the algorithm help you to multiply efficiently? • Compare and explain how the size of factors is related to the size of products. • How can you apply the conversion of measurement units to real-life problems?	HM Chapters 1, 6, 21
Unit 5: Volume (Measurement & Data)	3 weeks January	Estimate the number of linking cubes that will fill a classroom.	Objects can be measured and compared by their attributes.	• What is volume? • How are area and volume alike and different? • How do you measure volume? • Why is volume represented with cubic units? • Does volume change when you change the measurement material? Why or why not? • How can you find the volume of cubes and rectangular prisms? • Why is it important to know how to measure volume?	Getting to the Core Volume Unit