Sequencing

The sequence rational that best fits for this project would be Concept Related Logical Prerequisite. This is due to the fact that students need to learn and master certain skills before they can learn a new set of skills. The text book that is being used for this assignment is broken down into nine units.

Number & Operations in Base Ten will be the first units taught to the students. Some or most of this content will be a brief review from what should have been learned in third grade. Under the new common core standards Unit two will be skimmed through to cover only what is needed for functioning at grade level.

The first major unit that will be taught to students will incorporate the two core standards of Operations & Algebraic Thinking, Number & Operations in Base Ten. In the book this would be units three through five. These units will focus on Multiplication and Division. One digit multiplication and division will need to be mastered before students move on to multiple digit multiplication and division.

The next unit the book, unit six, calls for is a unit over geometry and algebra. This unit puts significantly more emphasis on geometry than algebra, which would align to the states sample OAA questions. This unit will incorporate three standards Measurement & Data, and Geometry and Operations & Algebraic Thinking. Units seven and eight incorporate fractions, measurement and decimals. This unit would cover the core standard of Number & Operations—Fractions. Over the past two years of observation all three of these topics have proved to be difficult for students. This unit also covers liquid conversion. Unit nine, which cover Perimeter, Area and Volume would fall under the standard of Measurement & Data. Here students work on finding Perimeter, volumes and area of objects.

This curriculum is being planned according to how the book lays it out. The idea behind this is that this book should be designed by experts who are extremely knowledgeable in their field. However it could be suggested that parts, if not all of units seven, eight and nine could be taught before unit six. The idea being that division would tie into fractions. Fractions would lead right into decimals and decimals would lead into linear measurement. This is something that will be evaluated over time.