

ANNOTATED LEARNING PLAN

<p>Exploratory Activities These are introductory “hands-on” activities to introduce students to a concept, e.g., a two-team mathematical Tic-Tac-Toe game that leads students to graph ordered pairs. These activities need to foster thinking and are not worksheet exercises.</p>	<p>Concept A concept is an idea important in the main body of mathematics, e.g., multiplication, linear equations, area, slope. Concepts are used to organize instructional units. Concept-based organization encourages broad, rich units with connections among concepts within and across the mathematics curriculum.</p>
<p>Concept Development Activities These are student-centered activities/problems aimed at providing students with exploration experiences to develop the concept in many situations so that formal learning and deep understanding can take place.</p>	<p>Materials and Resources Examples: Algebra tiles, geoboards, Cuisenaire rods, websites, software, etc., as well as, any printed materials needed for the entire unit. Print materials should be referenced completely.</p>
<p>Procedural Knowledge Activities Procedural knowledge activities are integrated with conceptual development activities so that students develop fluency with valid and standard algorithms and basic facts. Textbook exercises, sets of procedure-based problems, and activities that promote computational fluency should be included here to develop procedural fluency for the concept.</p>	<p>Originality and Creativity <i>Student Products</i></p> <p>Written</p> <p>Oral</p> <p>Kinesthetic</p> <p>Visual</p> <p>Student products provide opportunities for students to demonstrate their understanding of a concept in their own way. Students should select only one of these.</p>
<p>Assessment These include formative and summative assessments. Teacher-made tests and alternative assessments (i.e., observations, student writing, portfolios, student self-evaluations, interviews, demonstration tasks) provide information about student learning and thinking, as well as, information upon which to base instructional decisions.</p>	
<p>Related TEKS or Standards These are the Texas Essential Knowledge and Skills or other standards that are addressed throughout this concept.</p>	