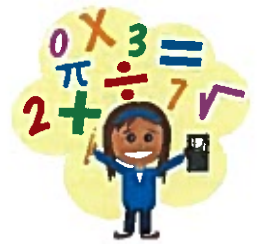




Math Reads – Book Review



<u>Title:</u> <i>Swirl by Swirl</i>	
<u>Grade:</u> <i>5</i>	<u>Author:</u> <i>Joyce Sidman</i>

Topic(s): *multiplication and patterns*

*Michelle Williams  
Susan Winkel  
Noah Spaulding*

Standard(s): *Operations and Algebraic Thinking*  
*: Numbers and Operations in Base Ten*

Mathematical Practice(s): *Model with mathematics*

*: Look for and express regularity with repeated reasoning*

Vocabulary:

- equation      - sequence
- equiangular      - spiral
- non-adjacent      - term

Examine the Lesson Ideas: Determine + “pluses” – ideas to keep/ideas you like and determine Δ “deltas” – ideas to change/ideas you do not like

+	Δ
<p>+ patterns will force students to be fluent in math facts especially multiplication facts (square the #s of the pattern)</p> <p>+ students will have to verbally explain the pattern <del>but</del> relationships between the pattern (open discussion with other students)</p> <p>+ More patterns can be determined for instruction (student led)</p>	<p>- book was confusing for 5<sup>th</sup> grade students (book is above grade level)</p> <p>- didn't like this book at all</p> <p>- there is no connection between the book and the objective</p>

Summary:

*Pattern discovery induction is good but this book is too complicated to relay objective to students. This is usual, I feel will make students confused*