




Introduction to the **Revised Mathematics TEKS**

FOCAL POINTS AND
TEKS COMPARISON JOURNAL
GRADES 6 - 8



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Texas Response to Curriculum Focal Points, Revised 2013 Scavenger Hunt: Grades 5 – 8

Review the Texas Response to Curriculum Focal Points (TxRCFP) Highlights document. Use it and the TxRCFP Revised 2013 to answer the following questions.

1. How many focal points are in each grade level?

Grade 5 –

Grade 7 –

Grade 6–

Grade 8 –

2. Choose a grade level to examine. I am examining grade _____.

3. For your identified grade level, which student expectations are found in more than one focal point? List them below.

4. How many grade level connections are there for each grade level?

Grade 5 –

Grade 7 –

Grade 6–

Grade 8 –

5. Which College and Career Readiness Standards are addressed in the grade level you identified in question 2?



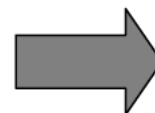
A Vertical Look at the TxRCFP

Notes



Discussion Questions

Aha!



Oh-no!



A Vertical Look at Key Concepts and Procedures

What does the document tell us?	What doesn't the document tell us?
	

Taking a Closer Look at Expressions and Equations

Taking a Closer Look at Expressions and Equations	
A Vertical Look at Key Concepts and Procedures	Texas Response to Curriculum Focal Points
	

A Vertical Look – Potential Perks and Pitfalls

Role	Perks	Potential Pitfalls
Teacher	<ul style="list-style-type: none"> Helps teachers to stay in their lane Helps buy back time by eliminating those ideas that do not belong in the current grade level Helps to identify expected prerequisite knowledge and skills Helps identify the key concepts and procedures within the strands Helps to identify and anticipate gaps in students' prerequisite knowledge to better target interventions Helps identify the length of time students have been working with a concept or procedure 	<ul style="list-style-type: none"> This is <u>NOT</u> a curriculum guide This does not provide the specificity that the TEKS provide This does not provide the relative importance of each key concept or procedure that the focal points provide This does not tell how to teach the key concepts and procedures
Evaluator	<ul style="list-style-type: none"> Helps to clarify if the instruction is on grade level for classroom observations and documentation 	
Curriculum Leader	<ul style="list-style-type: none"> Helps guide conversations within and between grade levels Helps facilitate movement and evaluation of curriculum materials Helps target future professional development needs for the district 	
Instructional Coach	<ul style="list-style-type: none"> Helps guide conversations within and between grade levels Helps facilitate movement and evaluation of curriculum materials Helps target future professional development needs for each teacher 	
Team Leader/ Department Chair	<ul style="list-style-type: none"> Helps guide conversations within and between grade levels Helps facilitate movement and evaluation of curriculum materials 	
Parent	<ul style="list-style-type: none"> Helps to clarify if the instruction is on grade level Provides a concise look at what is to be covered in a grade level 	





Amplifying Instructional Tasks – Grade 7 Example

		Considerations for Brainstorming			
		Consider the 2012 TEKS in the Original Task	Consider the Curriculum Focal Point	Consider the Context	Consider the Student
Guiding Questions	What main concepts and/or skills are involved in this task?	What are related concepts and/or skills?	What else might be explored or applied? <ul style="list-style-type: none"> • Additional mathematical ideas from related focal points • Grade level connections • Financial literacy standards 	What else could be explored within this context? What related ideas could be added to this context? What connections could be made to other content areas?	What Tier I differentiation may be needed to reach the student who is <ul style="list-style-type: none"> • struggling, • learning English, • and/or advanced?
	What are related concepts and/or skills?		Standards <ul style="list-style-type: none"> • <i>Process standards 7(1)(A)-(G)</i> • <i>Add, subtract, multiply and divide rational numbers to solve problems 7(3)(B)</i> • <i>Write and solve problems using geometry concepts 7(11)(C)</i> • <i>Determine the circumference and area of circles 7(9)(B)</i> • <i>Determine the area of composite figures 7(9)(C)</i> 	Context <ul style="list-style-type: none"> • <i>How many plants would be needed to outline the garden?</i> • <i>What might be the cost for plants to outline a garden that is twice as large?</i> • <i>What if I wanted to create a garden of concentric circles?</i> 	Struggling <ul style="list-style-type: none"> • <i>Model use of additional tools (hands-on, pictures)</i> • <i>Model use of table to look for a pattern</i> Learning English <ul style="list-style-type: none"> • <i>Provide sentence stems and frames</i> • <i>Provide opportunities to speak</i> • <i>Pre-teach vocabulary</i> Advanced <ul style="list-style-type: none"> • <i>Extend to proportional changes with length as described in grade 8</i> • <i>Explore similarity of circular gardens</i> • <i>Create a garden using different a combination of geometric shapes</i>
Brainstorming	Main Concepts and/or Skills <i>Represent linear relationships 7(7)(A)</i>				
	Related Concepts and/or Skills <i>Everyday life 7(1)(A)</i>				

Side-by-Side TEKS Comparison

Review the Side-by-Side TEKS Comparison Highlights page. Use it and the TxRCFP Revised 2013 document to answer the following questions.

1. How are the content changes indicated?

	Color	Symbol
a. Content that is deleted by the Revised TEKS (2012)		
b. Content that remains the same or is clarified by the Revised TEKS (2012)		
c. Content that is added by the Revised TEKS (2012)		

2. How are the differences in the content that remains indicated?

	Color(s)	Symbol
a. A student expectation is remaining in the grade level in its entirety.		
b. A student expectation is remaining in the grade level, but a small portion is being added by the Revised TEKS (2012).		
c. A student expectation is remaining in the grade level, but a small portion is being deleted by the Revised TEKS (2012).		

3. In which column can the following information be found?

- Clarification
 - Precision of mathematics vocabulary
 - Added specificity
 - Current TEKS may be joined, separated, or subsumed
 - Purpose of TEKS made explicit
- Movement to another grade
- Connections with the process standards

4. How is the document organized?



**Side-by-Side TEKS Comparison
Individual Study Recording Sheet**

Current Strand	Content that REMAINS or is CLARIFIED	Content that is NEW	Content that is DELETED



Side-by-Side Snap Shot Summary



	Current Strand	Content that REMAINS or is CLARIFIED	Content that is NEW	Content that is DELETED
1	Number, Operation, and Quantitative Reasoning			
2	Patterns, Relationships, and Algebraic Thinking			
3	Geometry and Spatial Reasoning			

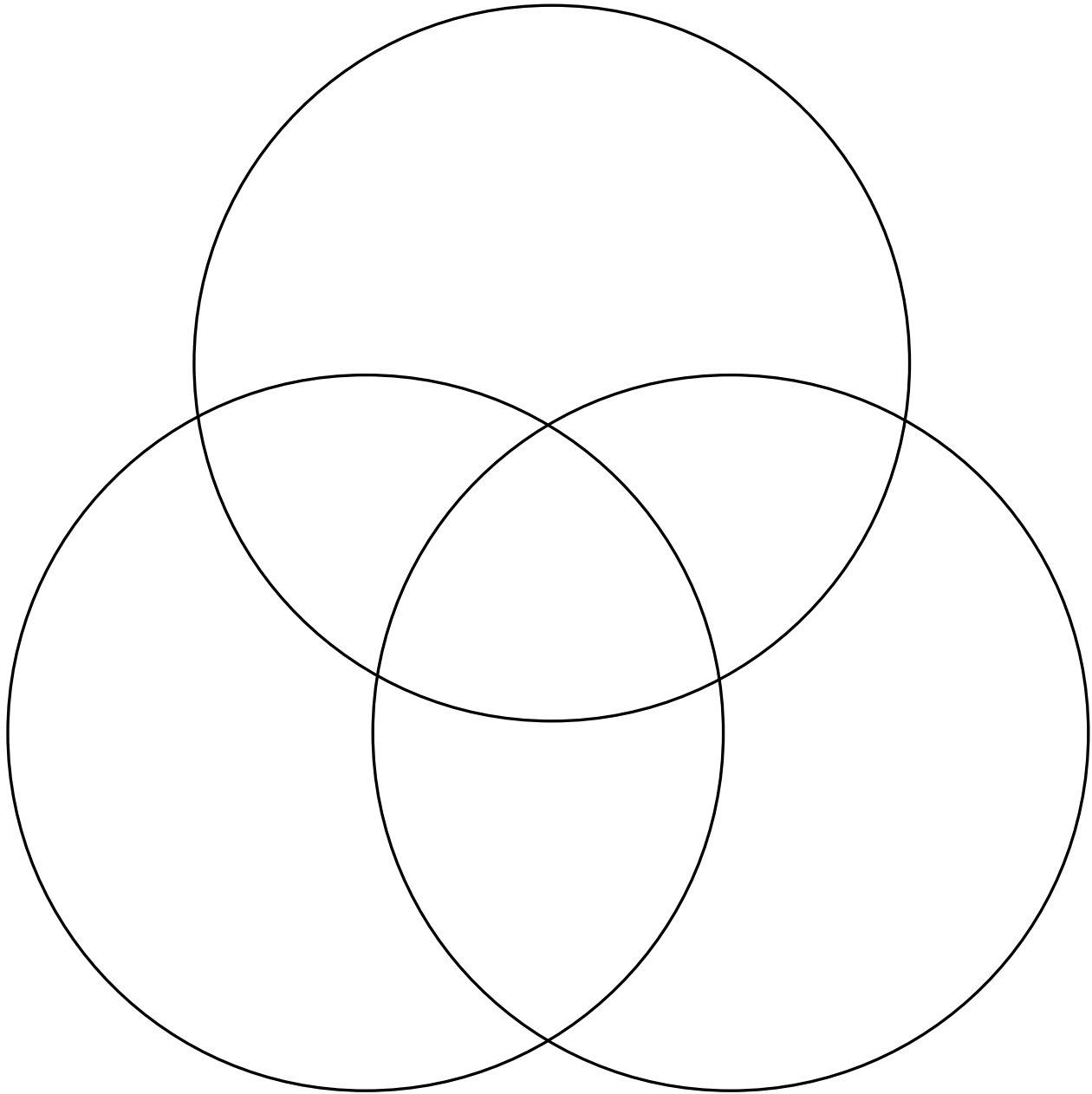
Side-by-Side Snap Shot Summary (Cont.)



	Current Strand	Content that REMAINS or is CLARIFIED	Content that is NEW	Content that is DELETED
4	Measurement			
12 5	Probability and Statistics			
6	Underlying Processes and Mathematical Tools			

Pulling It All Together

Texas Response to Curriculum Focal Points



Vertical Look at Key Concepts

Side-by-Side Comparison