Putting the Pieces Together

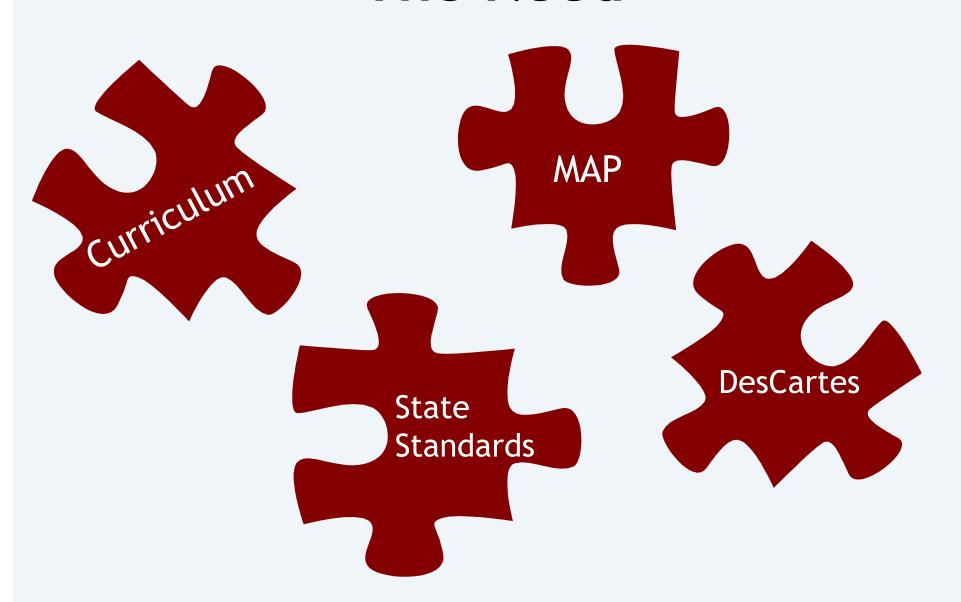
The Relationship between DesCartes and the TEKS

Jennifer Ruth

Elementary Student Achievement Specialist Assessment and Accountability Plano ISD Jennifer.Ruth@pisd.edu



The Need

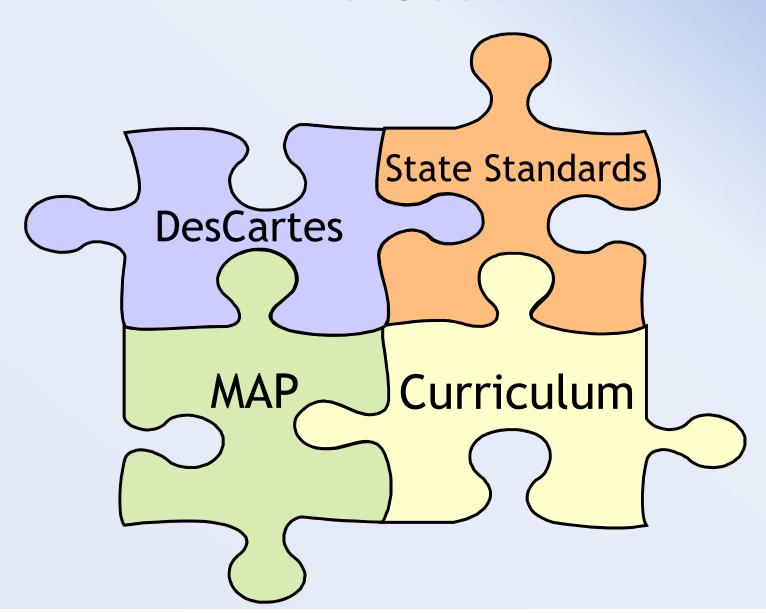


The Goal

Use MAP data to address the diverse needs of students in each classroom.

- Go to MAP as the source to customize a plan for instruction.
- Understand the relationship between DesCartes and the TEKS.
- Turn performance goals into learning goals to promote a growth mindset.
- Identify when DesCartes Learning Statements appear in the curriculum.

The Goal



	<191	191-200	201-210	211-220	221-230	231-240	241+
Number and Operation	<all> Zach</all>	<all> Jordan</all>	<all> Carly Jacob Mattie</all>	<all> Noelle Karen Caleb Helena</all>	<all> Edwin Brittney George</all>	<all> Leah</all>	<all> Kevin</all>
Algebraic Thinking	<all></all>	<all></all>	<all> Zach Carly Jacob Mattie</all>	<all> Jordan Noelle Karen Caleb</all>	<all> Helena Edwin Brittney George Leah</all>	<all> Kevin</all>	<all></all>
Geometry	<all></all>	<all> Zach Jordan Mattie</all>	<all> Carly Jacob Caleb Helena</all>	<all> Noelle Karen Edwin Brittney George</all>	<all></all>	<all> Leah Kevin</all>	<all></all>
Measurement	<all></all>	<all> Zach Jordan</all>	<all> Carly Jacob Mattie</all>	<all> Noelle Karen Caleb George</all>	<all> Helena Edwin Brittney Leah</all>	<all></all>	<all> Kevin</all>
Probability and Statistics	<all>Zach</all>	<all></all>	<all> Jordan Jacob Mattie</all>	<all> Carly Jacob Mattie Noelle Karen Caleb Helena Edwin</all>	<all> Brittney George Leah Kevin</all>	<all></all>	<all></all>

Subject: Mathematics
Goal Strand: Peration, and Quantitative Reaso
RIT Score Rang 75% 210
50% 25%

Skills and Concepts to Enhance 191 - 200	Skills and Concepts to Develop 201 - 210	Skills and Concepts to Introduce 211 - 220
Use Place Value: Whole Numbers and Decimals	Use Place Value: Whole Numbers and Decimals	Use Place Value: Whole Numbers and Decimals
 Identifies whole numbers 100 - 999 using base-10 blocks* Identifies whole numbers over 999 using base-10 blocks* Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place Identifies the numeral and written name for whole numbers 10,000 to 100,000 Identifies the numeral and written name for whole numbers over 100,000 Identifies the numeral and written name for ordinal numbers 21st to100th (e.g., 21st is twenty-first, and vice versa)* Writes equivalent forms of whole numbers 11 to 20 using addition (e.g., 14 = 7 + 7)* Writes equivalent forms of whole numbers using multiplication (e.g., 12 = 4 x 3 = 2 x 6 = 2 x 2 x 3)* Compares sets of objects and identifies which is equal to, more than, or less than the other (1 to 10 objects)* Compares whole numbers through 999,999 Compares whole numbers to 100, using the symbols for 'less than', 'equal to', or 'greater than' (<, =, >) Compares whole numbers through the thousands using the symbols <, >, or = Orders whole numbers less than 10,000 Identifies whole numbers under 100 given place value terms (e.g., 3 tens and 4 ones = 34) Compares and orders money in decimal form Compares and orders decimals to the thousandths place (same number of digits after decimal)* 	 Identifies whole numbers over 999 using base-10 blocks* Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place Identifies the numeral and written name for whole numbers over 100,000 Compares whole numbers through 999,999 Compares whole numbers through the billions using the symbols <, >, or =* Orders whole numbers less than 10,000 Orders whole numbers a million or greater Writes equivalent forms of whole numbers using place value (e.g., 54 = 4 tens and 14 ones) Writes whole numbers using place value terms and vice versa 	 Identifies whole numbers 100 - 999 using 2-D and 3-D models* Identifies whole numbers over 999 using 2- and 3-D models* Represents a decimal to the hundredths place (e.g., three hundredths = 0.03) Writes a decimal for a shaded region to the tenths place*
Use Fractions: Describe, Compare, & Solve	Use Fractions: Describe, Compare, & Solve	Use Fractions: Describe, Compare, & Solve
 Represents 1/3 with a diagram or model Identifies one-half from a region or set* Identifies 1/4 from a region or set 	 Identifies halves of a region using nonadjacent parts Converts a basic fractional numeral to lowest terms (e.g., halves, thirds, quarters)* 	 Writes improper fractions and mixed numbers from a visual representation* Identifies a fractions in lowest terms from a region or

	<191	191-200	201-210	211-220	221-230	231-240	241+
Number and Operation	<all> Zach</all>	<all> Jordan</all>	<all> Carly Jacob Mattie</all>	<all> Noelle Karen Caleb Helena</all>	<all> Edwin Brittney George</all>	<all> Leah</all>	<all> Kevin</all>
Algebraic Thinking	<all></all>	<all></all>	<all> Zach Carly Jacob Mattie</all>	<all> Jordan Noelle Karen Caleb</all>	<all> Helena Edwin Brittney George Leah</all>	<all> Kevin</all>	<all></all>
Geometry	<all></all>	<all> Zach Jordan Mattie</all>	<all> Carly Jacob Caleb Helena</all>	<all> Noelle Karen Edwin Brittney George</all>	<all></all>	<all> Leah Kevin</all>	<all></all>
Measurement	<all></all>	<all> Zach Jordan</all>	<all> Carly Jacob Mattie</all>	<all> Noelle Karen Caleb George</all>	<all> Helena Edwin Brittney Leah</all>	<all></all>	<all> Kevin</all>
Probability and Statistics	<all>Zach</all>	<all></all>	<all> Jordan Jacob Mattie</all>	<all> Carly Jacob Mattie Noelle Karen Caleb Helena Edwin</all>	<all> Brittney George Leah Kevin</all>	<all></all>	<all></all>

Subject: Mathematics

Goal Strand: Number, Operation, and Quantitative Reasc 75%

Skills and Concepts to Enhance 191 - 200	Skills and Concepts to Develop 201 - 210	Skills and Concepts to Introduce 211 - 220
Use Place Value: Whole Numbers and Decimals	Use Place Value: Whole Numbers and Decimals	Use Place Value: Whole Numbers and Decimals
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Use Fractions: Describe, Compare, & Solve	Use Fractions: Describe, Compare, & Solve	Use Fractions: Describe, Compare, & Solve
Represents 1/3 with a diagram or model	Identifies halves of a region using nonadjacent parts	Writes improper fractions and mixed numbers from a visual representation*
Identifies one-half from a region or set*	Converts a basic fractional numeral to lowest terms (a g balves thirds quarters)*	visual representation* • Identifies a fractions in lowest terms from a region or
 Identifies 1/4 from a region or set 	(e.g., halves, thirds, quarters)*	 Identifies a fractions in lowest terms from a region or

50%

The Process-Overview

 Phase 1-Determine which TEKS align best with each DesCartes strand.

 Phase 2- Examine each learning statement and match it to one or more grade level(s) TEKS.

 Phase 3- Create a teacher-friendly product.



THE PROCESS STEP BY STEP

Phase 1

Mathematics 2-5 Goal Structure (TEKS)	Mathematics 2-5 (DesCartes)
Number, Operation, and Quantitative Reasoning	Number, Operation, and Quantitative Reasoning
Use place value to represent whole numbers and decimals: Use concrete models of hundreds, tens, and ones to represent a given whole number in various ways; use place value to read, write, describe, compare, and order whole numbers and decimals; name the ordinal positions in a sequence.	Use Place Value: Whole Numbers and Decimals

www.nwea.org- Texas Goal Structure

THE PROCESS-CONTINUED

Phase 2

Skills and Concepts to Enhance	Skills and Concepts to Develop	Skills and Concepts to Introduce
Use Place Value: Whole Numbers and Decimals	Use Place Value: Whole Numbers and Decimals	Use Place Value: Whole Numbers and Decimals
 Use Place Value: Whole Numbers and DecImals Identifies whole numbers 100 - 999 using base-10 blocks* Identifies whole numbers over 999 using base-10 blocks* Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place Identifies the numeral and written name for whole numbers 10,000 to 100,000 Identifies the numeral and written name for whole numbers over 100,000 Identifies the numeral and written name for ordinal numbers 21st to100th (e.g., 21st is twenty-first, and vice versa)* Writes equivalent forms of whole numbers 11 to 20 using addition (e.g., 14 = 7 + 7)* Writes equivalent forms of whole numbers using multiplication (e.g., 12 = 4 x 3 = 2 x 6 = 2 x 2 x 3)* Compares sets of objects and identifies which is equal to, more than, or less than the other (1 to 10 objects)* Compares whole numbers to 100, using the symbols 	Use Place Value: Whole Numbers and DecImals Identifies whole numbers over 999 using base-10 blocks* Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place Identifies the numeral and written name for whole numbers over 100,000 Compares whole numbers through 999,999 Compares whole numbers through the billions using the symbols <, >, or =* Orders whole numbers less than 10,000 Orders whole numbers a million or greater Writes equivalent forms of whole numbers using place value (e.g., 54 = 4 tens and 14 ones) Writes whole numbers using place value terms and vice versa	Use Place Value: Whole Numbers and Decimals Identifies whole numbers 100 - 999 using 2-D and 3-D models* Identifies whole numbers over 999 using 2- and 3-D models* Represents a decimal to the hundredths place (e.g., three hundredths = 0.03) Writes a decimal for a shaded region to the tenths place*

Key:

Kinder

1st Grade

2nd Grade

3rd Grade

4th Grade

5th Grade

Skills and Concepts to Develop 201 - 210

Use Place Value: Whole Numbers and Decimals

- Identifies whole numbers over 999 using base-10 blocks*
- Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place
- Identifies the numeral and written name for whole numbers over 100,000
- Compares whole numbers through 999,999
- Compares whole numbers through the billions using the symbols <, >, or =*
- Orders whole numbers less than 10,000
- Orders whole numbers a million or greater
- Writes equivalent forms of whole numbers using place value (e.g., 54 = 4 tens and 14 ones)
- Writes whole numbers using place value terms and vice versa

Use Fractions: Describe, Compare, & Solve

- Identifies halves of a region using nonadjacent parts
- Converts a basic fractional numeral to lowest terms (e.g., halves, thirds, quarters)*
- Writes mixed numbers as improper fractions and improper fractions as mixed numbers
- Compares fractions (e.g., common denominator, 1 in the numerator, denominator is 2, 3, 4, 6, 8, 10)
- Writes a terminating decimal as a fraction or mixed number

Strand/Subgoal/Learning Statement

Number, Operation, and Quantitative Reasoning

Use Place Value: Whole Numbers and Decimals (2-5)

Counts 1 to 10 objects

Counts ordinal numbers (1st to 10th)

Orders whole numbers less than 10

Orders sets of objects 0-10

Compares whole numbers through 100

Writes equivalent forms of whole number expressions (e.g., 15 + 5 = 10 + 10

Identifies the numeral and written name for ordinal numbers 1st to 20th

Identifies the numerical and written name for whole numbers 21 to 100

Identifies the numeral and written name for whole numbers 101 to 999

Counts ordinal numbers (first to tenth)

Identifies the ordinal number that comes before, between, or after a give

Compares whole numbers through 999

Orders sets of objects 0-20

Orders whole numbers less than 100

Compares whole numbers through 9999

Identifies the numeral and written name for whole numbers to 1000 to 99 versa)

Compares and orders decimals to the hundredths place (same number of Identifies whole numbers under 100 given place value terms (e.g., 3 tens a

Writes equivalent forms of whole numbers 11 to 20 using addition (e.g., 1

Writes equivalent forms of whole numbers using multiplication (e.g., 12 = Identifies the numeral and written name for whole numbers 10,000 to 100

Orders whole numbers less than 1000

Compares whole numbers to 100, using the symbols for 'less than', 'equal

Compares whole numbers through the thousands using the symbols <, >, or Identifies the numeral and written name for ordinal numbers 21st to100th

Identifies whole numbers 100 - 999 using base 10 blocks

Primary Grades Instructional Data

Subject: Reading Goal: Vocabulary

NWEA

Database last updated with additional data statements on 8/3/2011

116 - 214

Skills and Concepts to Develop

Subgoal: Base Words, Prefixes, Suffixes

- Matches a definition to a word in a given sentence
- 159 Identifies the common root word in words with different inflectional endings
- 176 Identifies the base word for a given word (five syllables)
- 185 Identifies the base word for a given word (two syllables)
- 192 Identifies the word with the inflectional ending that means "more than one" (-s)
- 196 Identifies the base word for a given word (three syllables)
- 214 Identifies the base word for a given word (four syllables)

Subgoal: Compound Words, Contractions

- 146 Identifies the words that create a given contraction (I'm)
- 155 Identifies the words that create a given contraction (they've)
- 156 Identifies the contraction for given words (we'll)
- 156 Identifies the word that is a compound word (bookmark)
- Identifies the contraction for given words (I've)
- 162 Identifies the compound word within a sentence (baseball)
- 162 Identifies the words that create a given contraction (you're)

DesCartes

Skills and 75% Enhance	Skills and 50% Develop	Skills and 25% Introduce
Use Place Value: Whole Numbers and Decimals	Use Place Value: Whole Numbers and Decimals	Use Place Value: Whole Numbers and Decimals
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Use Fractions: Describe, Compare, & Solve	Use Fractions: Describe, Compare, & Solve	Use Fractions: Describe, Compare, & Solve
Represents 1/3 with a diagram or model Light 1/4 with	Identifies halves of a region using nonadjacent parts	Writes improper fractions and mixed numbers from a vigaal representation*
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 Identifies 1/4 from a region or set 	(e.g., halves, thirds, quarters)*	 Identifies a fractions in lowest terms from a region or

Key:

Kinder

1st Grade

2nd Grade

3rd Grade

4th Grade

5th Grade

Intermediate Product-Filtered List by Grade Level

S	tes	rtes	TEKS	DesCartes					
TEKS	DesCartes Strand	DesCartes Sub-Strand	4th	171-180	181-190	75%	50%	25%	221-230
Number, Operation, and Quantitative Reasoning	Number, Operation, and Quantitative Reasoning	Using Place Value: Whole Numbers and Decimals	1A Use place value to read, write and compare and order whole numbers through 999,999,999 1B Use place value to read, write, compare and order decimals involving tenths and hundredths, including money, using concrete objects and pictorial models	each RI	Compares whole numbers through 999 Identifies the numeral and written name for whole numbers 10,000-100,000 g Stateme T band are by grade		Writes whole numbers using place value terms and vice versa Identifies the numeral and written name for whole numbers over 100,000 Compares whole numbers through 999,999 Orders whole numbers a million or greater	Represents a decimal to the hundredths place Writes a decimal for a shaded region to the tenths place Compares and orders decimals to the hundredths place	Orders whole numbers a million or greater using < or> Writes a decimal for a shaded region to the hundredths place Compares and orders decimals to the hundredths place
		؛ Fractions: Describe, Compare and Solve	2A Use concrete objects and pictorial models to generate equivalent fractions 2B Model fraction quantities greater than one using concrete objects and pictorial models 2C compare and order fractions using concrete objects and pictorial models 2D Relate decimals to fractions that name tenths and hundredths using concrete and pictorial models		Identifies tenths from region or set	Identifies tenths from region or set	Identifies halves of a region using nonadjacent parts Writes a terminating decimal as a fraction or a mixed number	Writes mixed numbers as improper fractions Writes a terminating decimal as a fraction or a mixed number Compares fractions greater than or less than a given fraction using visual representations Compares fractions and mixed numbers Expresses a simple fraction as a decimal Writes improper fractions and mixed numbers from a visual representation	Writes a fraction or mixed number as a decimal when the denominator is a multiple of 10

Intermediate Product-Filtered List by Grade Level

TEKS	DesCartes Strand	DesCartes Sub-Strand	TEKS	DesCartes					
=	DesCarl	Desc Sub-	4th	171-180	181-190	191-200	201-210	211-220	221-230
Number, Operation, and Quantitative Reasoning	Number, Operation, and Quantitative Reasoning	Using Place Value: Whole Numbers and Decimals	1A Use place value to read, write and compare and order whole numbers through 999,999,999 1B Use place value to read, write, compare and order decimals involving tenths and hundredths, including money, using concrete objects and pictorial models	Compares whole numbers through 999	Compares whole numbers through 999 Identifies the numeral and written name for whole numbers 10,000-100,000	Compares and orders money in decimal form Identifies the numeral and written name for whole numbers over 100,000 Compares whole numbers through 999,999	Writes whole numbers using place value terms and vice versa Identifies the numeral and written name for whole numbers over 100,000 Compares whole numbers through 999,999 Orders whole numbers a million or greater	Represents a decimal to the hundredths place Writes a decimal for a shaded region to the tenths place Compares and orders decimals to the hundredths place	Orders whole numbers a million or greater using < or> Writes a decimal for a shaded region to the hundredths place Compares and orders decimals to the hundredths place



Class by RIT in SAS

MAP Math MAP Science Gen MAP Science CP			
Goal Strand	181-190	191-200	201-210
Number & Operation	J, Elijah (178)	H, Rebecca (208) M, Adah (195) S, Shaun (193) S, Jaque (202)	M, Mattie (210) C, Carly (209) J, Jacob (207)
Algebraic Thinking	J, Elijah (178) S, Shaun (193)	N, Mark (202) S, Jaque (202) T, Revist (196)	M, Mattie (210) H, Rebecca (203) M, Adah (195) J, Jacob (207)
Geometry	T, Revist (196)	S, Shaun (193) J, Elijah (178)	M, Adah (195) C, Carly (209) J, Jacob (207) S, Jaque (202)
Measurement	M, Adah (195) S, Shaun (193) J, Elijah (178)	C, Carly (209) N, Mark (202) T, Naveah (200) T, Revist (196)	M, Mattie (210) H, Rebecca (208) J, Jacob (207) S, Jaque (202)
Probability & Statistics		M, Adah (195) N, Mark (202) J, Elijah (178) T, Revist (196)	J, Adrian (221) R, Natalie (212) S, Shaun (202) T, Naveah (200)

Individualized Learning Statements

Strand

Prev Grade

Prev RIT

Next RIT

Next Grade

Sub-strand

Individualized Learning Statements based on MAP Goal Strand Performan **RIT Band**

Subject: Mathematics

Goal strand: Number, Operation, and Quantitative Reasoning instructional level: 201-210

Grade level: 4

Number, Operation, and Quantitative Reasoning (Add and Subtract Fractions an

Grade Level TEKS

Grade level TEKs to target

4.3B add and subtract decimals to the hundredths place using concrete objects and pictorial models.

MAP learning statements from DesCartes

- . Adds decimals to the hundredths place in vertical format (not same number of digits)
- Adds fractions with like denominators without reducing
- · Computes the value of multiple bills and coins (addition/subtraction only)

Learning Statements

Number, Operation, and Quantitative Reasoning (Add and Subtract Whole Numbers)

Grade level TEKs to target

4.3A use addition and subtraction to solve problems involving whole numbers; and

MAP learning statements from DesCartes

- Adds multiple-digit numbers with sums under 1000
- Adds multiple-digit numbers, with regrouping, with sums over 1000
- Performs mental subtraction with numbers 1000 and over
- Solves whole number subtraction word problems with numbers over 1000
- Subtracts 3- or 4-digit numbers with regrouping
- Subtracts numbers with 5 digits or more with regrouping

Number, Operation, and Quantitative Reasoning (Estimate to Determine Reasonable Results)

Grade level TEKs to target

- 4.5A round whole numbers to the nearest ten, hundred, or thousand to approximate reasonable results in problem situations; and
- 4.5B use strategies including rounding and compatible numbers to estimate solutions to multiplication and division problems.

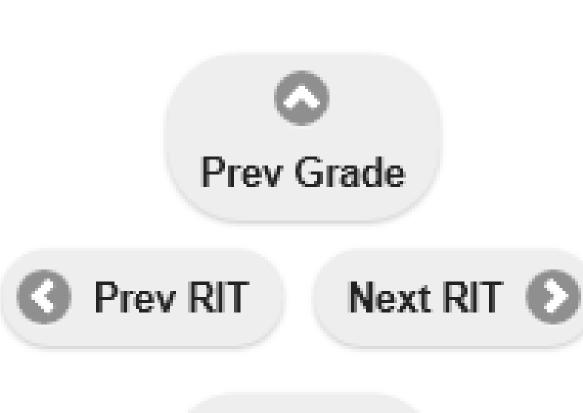
MAP learning statements from DesCartes

- Rounds 4-, 5-, and 6-digit whole numbers to the nearest hundred
- Pounde 4. 5. and 6-digit whole numbers to the pagest ten

Activity

Discuss the Individualized Learning Statements.

- How could this help teachers in instruction?
- How could this help students in understanding their learning?
- How could this help parents understand their child's achievement?



Next Grade



LOWER ACHIEVING STUDENTS

Goal Strand	151-160	161-170	171-180
Number & Operation			Shawn (169)
Algebraic Thinking		Shawn (169)	
Geometry	Shawn (169)		
Measurement			Shawn (169)
Probability & Statistics		Shawn (169)	

DesCartes Grade Level Connection

Use Place Value: Whole Numbers and Decimals

- Identifies whole numbers over 999 using base-10 blocks*
- Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place
- Identifies the numeral and written name for whole numbers over 100,000
- Compares whole numbers through 999,999
- Compares whole numbers through the billions using the symbols <, >, or =*
- Orders whole numbers less than 10,000
- · Orders whole numbers a million or greater
- Writes equivalent forms of whole numbers using place value (e.g., 54 = 4 tens and 14 ones)
- Writes whole numbers using place value terms and vice versa

Use Fractions: Describe, Compare, & Solve

- Identifies halves of a region using nonadjacent parts
- Converts a basic fractional numeral to lowest terms (e.g., halves, thirds, quarters)*
- Writes mixed numbers as improper fractions and improper fractions as mixed numbers
- Compares fractions (e.g., common denominator, 1 in the numerator, denominator is 2, 3, 4, 6, 8, 10)
- Writes a terminating decimal as a fraction or mixed number

LOWER ACHIEVING STUDENTS

	7

S	S S	tes and	TEKS	50%	25% DesCartes					
TEKS	DesCartes Strand	DesCartes Sub-Strand	3rd	161-170	171-180	181-190	191-200	201-210	211-220	
Patterns, Relationships, and Algebraic Thinking	Patterns, Relationships, and Algebraic Thinking	Use Organizational Structures: Analyze & Describe Use Patterns to Predict & Solve Problems	6A Identify and extend whole-number and geometric patterns to make predictions and solve problems 6B Identify patterns in multiplication facts using concrete objects or pictorial models 6C Identify patterns in related multiplication and division sentences 7A Generate a table of paired numbers based on real-life situations 7B Identify and describe patterns in a table of related number pairs and extend the table	Solves simple problems based on data from tables	Counts numbers 0- 1000 Recognizes addition and subtraction fact families through 18 Extends a growing arithmetic pattern, defined by numbers Interprets simple graphs or tables	Counts numbers 0- 1000 Recognizes addition and subtraction fact families through 18 Extends a decreasing arithmetic pattern Extends a growing arithmetic pattern, defined by numbers Models multiplication and division algorithms using arrays Completes arithmetic growth patterns in number tables by identifying the missing elements	Extends a decreasing arithmetic pattern Completes a growing arithmetic pattern, identifying missing numbers Extends a growing arithmetic pattern	Instantly recalls basic addition facts with sums to 18 in a table Extends a growing arithmetic pattern Looks for a repeating pattern to solve a problem Extends a pattern formed by rotating a geometric figure Recognizes multiplication and division fact families Solves problems using tables Reads and interprets tables	Recognizes multiplication and division fact families Looks for a growing pattern to solve a problem Uses systematic lists to represent problems Draw conclusions from data/charts	

Individualized Learning Statements in our Online System

Individualized Learning Statements based on MAP Goal Strand Performance

Subject: Mathematics

Goal strand: Patterns, Relationships, and Algebraic Thinking instructional level: 161-170

Grade level: 3

Patterns, Relationships, and Algebraic Thinking (Use Organizational Structures Analyze and Describe)

Grade level TEKs to target

- 3.7A generate a table of paired numbers based on a real-life situation such as insects and legs; and
- 3.7B identify and describe patterns in a table of related number pairs based on a meaningful problem and extend the table.

MAP learning statements from DesCartes

· Solves simple problems based on data from tables

HIGH ACHIEVING STUDENTS

Goal Strand	231-240	241-250	251-260
Number & Operation			Kaki (246)
Algebraic Thinking	Kaki (246)		
Geometry			Kaki (246)
Measurement		Kaki (246)	
Probability & Statistics		Kaki (246)	

Individualized Learning Statements in our Online System

Individualized Learning Statements based on MAP Goal Strand Performance

Subject: Mathematics

Goal strand: Patterns, Relationships, and Algebraic Thinking instructional level: 241-250

Grade level: 4

Patterns, Relationships, and Algebraic Thinking (Use Organizational Structures Analyze and Describe)

Grade level TEKs to target

4.7 Patterns, relationships, and algebraic thinking. The student uses organizational structures to analyze and describe

 patterns and relationships. The student is expected to describe the relationship between two sets of related data such as ordered pairs in a table.

MAP learning statements from DesCartes

Reads and interprets data in tables









Curriculum Connection

 Close the gap to meet the grade-level expectation.

Identify when topics arise.

Preteach if necessary.

Ways to Use the DesCartes/TEKS Project

- TIER II or TIER III intervention
- Tutoring, pull out, ESL
- Whole class, groups, or individuals
- Campus intervention meetings
- Meaningful goal setting

Caution!!!

- This is not meant to replace the curriculum.
- This is not to be used as a checklist.
- This is not meant to be used to skip instruction just to get a particular score.

Take-Away

- A confirmation that DesCartes does relate to the TEKS.
- A clear understanding of the relationship between DesCartes and TEKS.
- Understanding of the process.
- A different perspective on how to customize the student learning experience.

Questions and Discussion

Plano ISD Assessment and Accountability