Grade: 4 Unit: 3		Multiplication a	nd Division 2		5 Weeks
		Progre			
3 <sup>rd</sup> Grade	Students used equations, arrays and grouping strategies to develop an understanding of multiplication and division. They gained fluency with multiplication and division with 100, knowing products of 1-digit numbers from memory.				
4 <sup>th</sup> Grade	Students will continue to use multiplication and division strategies and models to solve for products and quotients, extending to products of two 2-digit numbers, and products <u>and</u> quotients of 4- digit with 1-digit <u>whole</u> numbers. <u>Students are not required to master the standard algorithms for</u> <u>multiplication or division in 4<sup>th</sup> grade.</u>				
5 <sup>th</sup> Grade	Students will extend their understanding of multiplication and division to include decimal numbers. They will be expected to be fluent with the standard algorithm for multiplication by the end of 5 <sup>th</sup> grade.				
		STUDENT LEAF			
A NRT 5. Mult	inly a whole	Mathematics Standard number of up to four digi			h multiply two
two-digit num	pers, using st	rategies based on place by using equations, rect	value and the pro	operties of operati	ons. Illustrate
divisors, using between multi rectangular ar	y strategies b plication and rays, and/or	er quotients and remain ased on place value, the division. Illustrate and e area models. ems and persevere in so	properties of ope xplain the calcula	erations, and/or the	e relationship
MP6: Attend t	·				
I	nterdisciplinar		Key Vocabulary		
Technology I (Append) IS1. Information	dix Č)	21 <sup>st</sup> Century Skills (Appendix D) TCS1. Use of Information	Dividend Division Divisor	Multiple Multiplica Product	tion
IS2. Information		TCS5. Problem Solving	Equation Factor	Quotient Remainde	er
<ul> <li>Enduring Understandings</li> <li>I can multiply a 4-digit number by a 1-digit number</li> <li>I can multiply a 2-digit number by a 2-digit number</li> <li>I can divide a 4-digit number by a 1-digit number</li> <li>I can use area models and equations to explain my work</li> </ul>			<ul> <li>Essential Questions</li> <li>How can I use strategies to find the products or quotients of larger numbers?</li> <li>How can I show my work using a model?</li> </ul>		

		Assessi	ment Plan				
Summative Asse Assessments in	essment(s)/Pe ncluding 21 <sup>st</sup>	erformance Based Century Learning	Formative and Diagnostic A	ssessment(s)			
RCC Interim Assessment, Student p.116-117 RCC Performance Task, Student p. 118			STAR Math Assessment (Fall) RCC Embedded Tasks and Assessments				
		Learning Pla	n Components				
Text	Ready Common Core Mathematics Instruction 4, 2014, Curriculum Associates, ISBN: 978-0-7609-8639-4						
Print	Ready Common Core Mathematics Teacher Resource Book 4, 2014, Curriculum Associates, ISBN: 978-0-7609-8646-2						
Electronic www.stratfor		er-toolbox.com rdmath.wikispaces.com ath.org					
		www.xtramath.org					
Week 1&2	Students will:						
Lessons		Tasks / Activities	Worksheets	Technology			
RCC Lesson 11: Multiply Whole Numbers		Hands-On (p.107, 111, 114) Visual (p.110) Differentiated (p.114) GA At the Circus	CC Practice (p.113) *One Digit by Two Digit Multiplication (w/ and w/o answer bank) *Three Digit by One Digit Multiplication *Four Digit by One Digit Multiplication *Two Digit by Two Digit Multiplication (w/ and w/o answer bank) SF 3-3 SF 5-3, 5-4, 5-5, 5-6 SF 6-5	Teacher-Toolbox (2 Tutorials, 2 Tools for Instruction)			
Week 3&4	Students wi •	11:					
Lessons		Tasks / Activities	Worksheets	Technology			
<u>RCC Lesson 12:</u> Divide Whole Numbers **Long Division should <u>not</u> be emphasized as a primary strategy**		Hands-On (p.120, 124) Differentiated (p.124)	CC Practice (p.123) *Division 2 Digit Dividend – No Remainder *Division 2 Digit Dividend – With Remainder *Long Division 3 Digit Dividend – With Remainder ( <i>LD not</i> <i>required</i> ) *Long Division 4 Digit Dividend – With Remainder ( <i>LD not</i> <i>required</i> ) SF 3-6, 3-6, 3-8 SF 7-3	Teacher-Toolbox (2 Tutorials, 1 Tool for Instruction)			

Week 5	Students will:     Demonstrate mastery of objectives		
Summative Assessment		Performance Task	
RCC Unit 3 Interim Assessment		RCC Unit 3 Performance Task	
-Student p. 116-117		-Student p. 118	
-Scoring Guide (p. 125)		-Rubric (p. 126-127)	