Course/Subject: **Math**   Grade Level/Building: **Grade 2 Pilot**

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UNIT	CONTENT/CONCEPT	ASSESSMENT
UNIT 1: All About Us Data Analysis: Collecting, communicating and interpreting data	• collecting data • recording data • reporting data	Authentic: • observation • written response • interview • self-assessment • portfolio Skills: • Daily Tune-Ups • Computation Checks • Unit Reviews
UNIT 2: Equations Addition/Subtraction: Communicating mathematical situations	• using addition/substraction to tell stories • investigating patterns in number combinations • exploring number combinations for **Ten** • writing addition and subtraction stories	Authentic: • observation • written response • interview • self-assessment • portfolio Skills: • Daily Tune-Ups • Computation Checks • Unit Reviews

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UNIT	CONTENT/CONCEPT	ASSESSMENT

UNIT 3: Making Predictions
 	
Patterns:
    Exploring, extending and transforming
    patterns
	• using patterns to predict outcomes
	• creating 2-dimensional patterns
		Authentic:
		• observation
		• written response
		• interview
		• self-assessment
		• portfolio
		
		Skills:
		• Daily Tune-Ups
		• Computation Checks
		• Unit Reviews

UNIT 4: Strategies Strategies: Building a network of number relationships	• building models of addition equations • writing related addition and substraction equations • memorization techniques • mental strategies and discourse to solve problems • solving money problems with arithmetic	Authentic: • observation • written response • interview • self-assessment • portfolio Skills: • Daily Tune-Ups • Computation Checks • Unit Reviews

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UNIT	CONTENT/CONCEPT	ASSESSMENT
UNIT 5: Collections and Questions Logical Thinking: Thinking problems and logical investigations	• solving classification problems • using organized thinking	Authentic: • observation • written response • interview • self-assessment • portfolio Skills: • Daily Tune-Ups • Computation Checks • Unit Reviews
UNIT 6: Making Groups Number Relations: Exploring our number system	• representing number 1 - 100 • exploring number sequence 1 - 100 • comparing and ordering numbers • using ten as a measuring tool • exploring ways to count to greater numbers	Authentic: • observation • written response • interview • self-assessment • portfolio Skills: • Daily Tune-Ups • Computation Checks • Unit Reviews

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UNIT	CONTENT/CONCEPT	ASSESSMENT
UNIT 7: How Long? How Heavy? Measurement: Estimating and quantifying measurements	• constructing and using length + weight measures • using measurement to solve problems • exploring measurement challenges with standard units	Authentic: • observation • written response • interview • self-assessment • portfolio Skills: • Daily Tune-Ups • Computation Checks • Unit Reviews
UNIT 8: Expanding Number Relations Expanding Numbers: Experiences with multiplication, division and fractions	• investigating 2-digit numbers • solving problems with collected data • exploring concept of multiplication • exploring concept of division • learning language of fractions	Authentic: • observation • written response • interview • self-assessment • portfolio Skills: • Daily Tune-Ups • Computation Checks • Unit Reviews

UNIT	CONTENT/CONCEPT	ASSESSMENT
UNIT 9: <u>Shaping Questions</u> <u>Geometry:</u> Make geometric inquiries and discoveries	• exploring faces of solid shapes • formulating geometric questions • creating and solving shape riddles	<u>Authentic:</u> • observation • written response • interview • self-assessment • portfolio <u>Skills:</u> • Daily Tune-Ups • Computation Checks • Unit Reviews
UNIT 10: <u>Anything's Possible</u> <u>Probability:</u> Beginning experiences	• collecting and analyzing data • using experiments to make predictions	<u>Authentic:</u> • observation • written response • interview • self-assessment • portfolio <u>Skills:</u> • Daily Tune-Ups • Computation Checks • Unit Reviews