High School Math Connections

Resources to Support Progressive Standards-Based Teaching and Assessment

CONNECT
what's new and
what you knew.

ORGANIZE
what you learn.

LEARN MORE

WRITE
to clarify.

BUILD
vocabulary.

VISUALIZE
to understand.
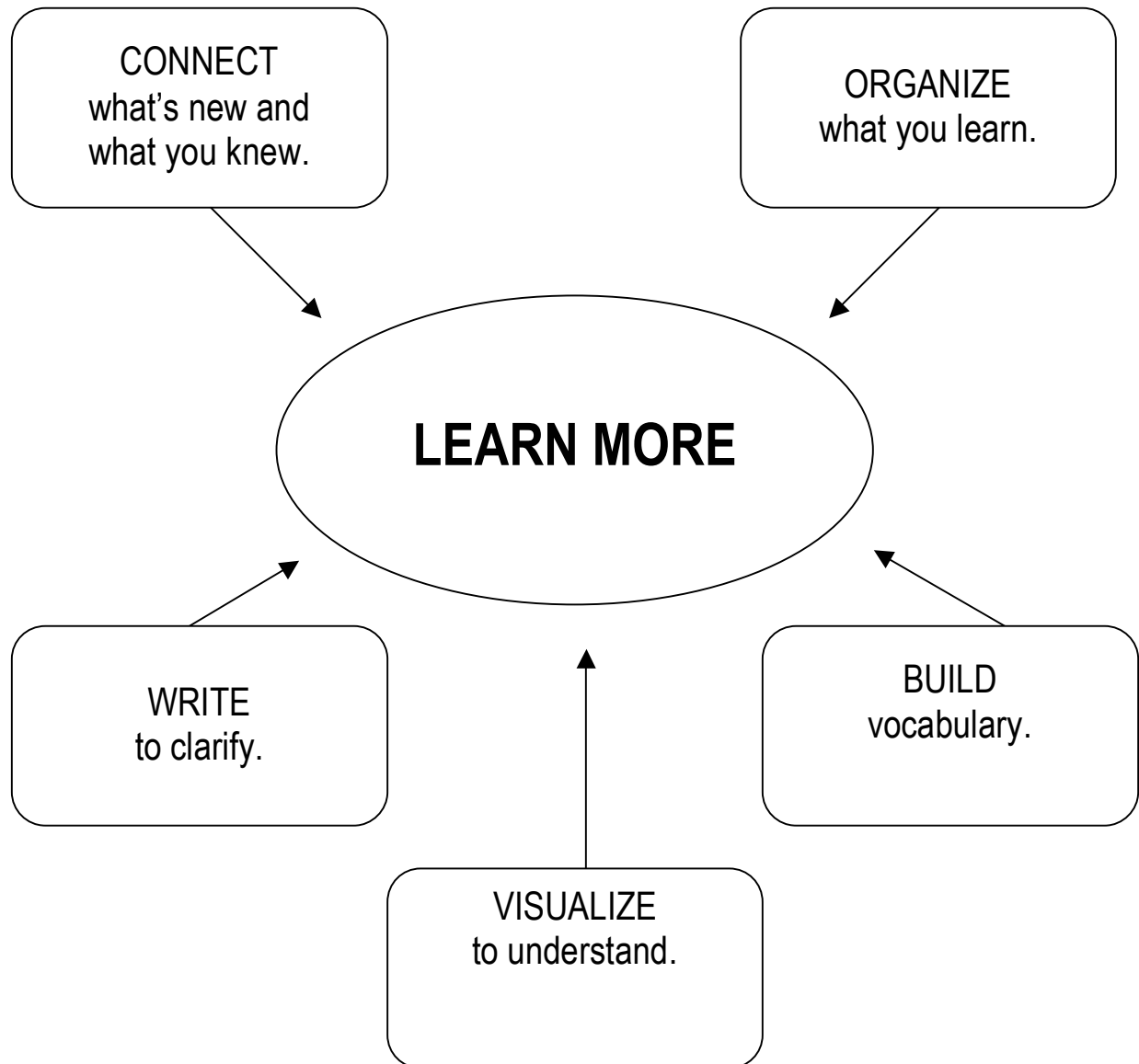
Teachers map the year and then chunk the content for each quarter.

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Theme				
Content *List the major topics to be developed*				
Skills Emphasized				
Work Keys— strategies for learning and explaining	- outlines - charts - note-taking - schedules - textbook organizers	• sequence chart •graph • diagram	Apply organizers to more complex information.	Apply organizers to more complex information.
Vocabulary and Writing Development Activities	Use glossary and dictionary Start "word bank" for content terms Write with Vocabulary--journal	Make glossary writing with vocabulary— guide to problem solving	Continue previous activities	Continue activities
Assessments	Paraphrase text Use graphic organizer to explain	Write digest Use graphic organizer to clarify	Write summary Use graphic organizer to support	Write guide to strategies. Use graphic organizer to …..

Organize Engaged Learning

Start here—what should be part of first quarter?

List what your students need to know how to do to succeed in your subject.

List the core content they need to understand first quarter.

Then schedule the first ten weeks content and skills.

Week 1	Week 2	Week 3	Week 4	Week 5

Week 6	Week 7	Week 8	Week 9	Week 10

	Unit Planner Weeks _____ to _____
Topic	
Terms	
Standards	
Skills/ Strategies	• Identify important information • Solve problems • Take notes on what's important • Locate and classify information • Compare and contrast • Summarize
Kinds of Activities and Projects	• List information relating to a question or topic • Make chart • Make Venn Diagram • Write a summary • Make a glossary • Make up multiple-choice questions. • Model it

How to Assess	Projects
	Student chooses one of three options
	  __graphic organizer with explanation
	  __write guide
	
	  __ _____
	
	All students: Write with this quarter's vocabulary.
	
	Test—including open-ended and multiple choice questions

Math Weekly Planner

Focus: What's Important this week?	This week's math reading	Writing __word problems __math in the news (report) __ _____
Reading Comprehension Strategies __analyze word problem __restate problem in own words __identify operation terms __ _____	This Week's Words	This Week's Assessment __write to explain topic with this week's words __ _____ _____

	FOCUS	ACT	REPORT AND EXTEND
M	__KWL __Teacher Models __solve today's problem __Homework Review/Connect __ _____		__kwL __Math journal __work log __Think, Pair, Share __ _____ Homework
T	__KWL __Teacher Models __Student demos __solve today's problem __Homework Review __		__kwL __Math journal __work log __Think, Pair, Share __ _____ Homework
W	__KWL __Teacher Models __Student demos __solve today's problem __Homework Review __		__kwL __Math journal __work log __Think, Pair, Share __ _____ Homework
Th	__KWL __Teacher Models __Student models __Solve today's problem __Homework Review		__kwL __math journal __work log __Think, Pair, Share __ _____ Homework
F	__KWL __Teacher Models __Student models __Solve today's problem __Homework Review __		__kwL __math journal __work log __Think, Pair, Share __ _____ Homework

Applied Principles and Strategies of Special Education to Clarify All Learning
__written and oral directions __graphic organizer __peer coach __model procedures __chunk the content __learning partners __students restate the content in their own words __assess the way you teach, teach the way you will assess __teach and assess diversely __step-by-step guide __concrete examples __visual aids __ _____