Anticipation Guide - Template

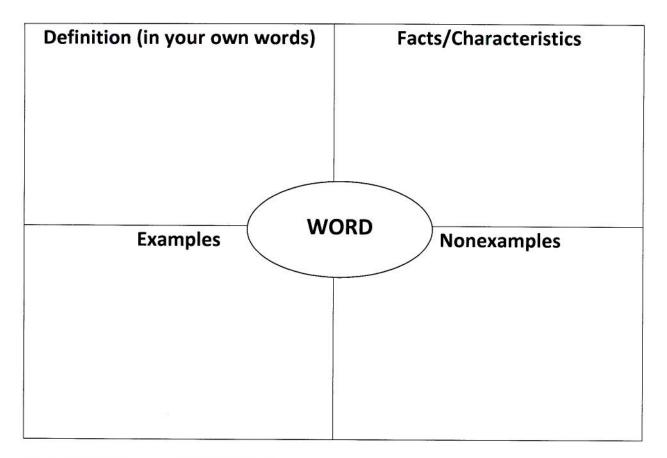
Instructions:

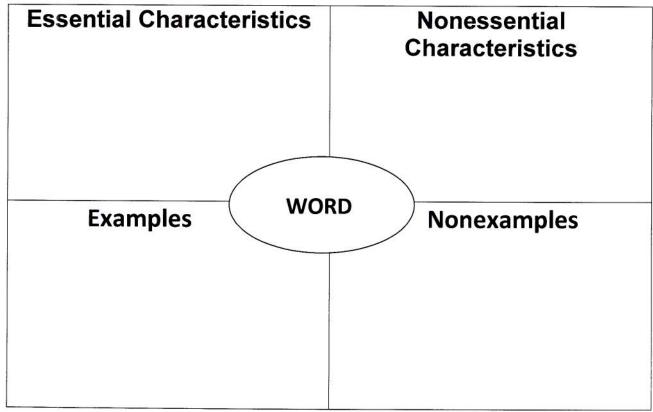
- Check "Agree" or "Disagree" beside each statement below before you start the task.
- Compare your choice and explanation with a partner.

• Revisit your choices at the end of the task. Compare the choices that you would make *after* the task with the choices that you made before the task.

Before		Statement		After	
Agree	Disagree		Agree	Disagree	
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FRAYER MODEL





Source: http://www.aea1.k12.ia.us/en/curriculum instruction and assessment/math/english language learner supports/math vocabulary/

Journal Writing – Forms and Sample Stems

Forms	Stems, Starts, Ideas			
Personal Writing reflecting on feelings, attitudes, successes, challenges	- I think I'm good/weak in working with fractions because When I'm asked a question in class I			
2. Summaries answering the question, "What did you learn?"	Create a poster about today's lesson to advertise it. Brainstorm everything you know about probability; linear relations; polynomials			
3. Definitions defining math terms in their own words to show understanding (may be used as part of a personal math dictionary)	- Explain what is meant by the term 'polygon' What is a linear relationship? Give an example.			
4. Translations taking information from one source and having the students put it in their own words	- Draw a diagram/picture to show what the word problem describes What did you learn from your graph in question #3?			
5. Reports after a series of lessons or a unit, bringing understanding together	 - We have looked at mean, median and mode Report on how they are the same/different. - Report on the survey that you took (topic, method, results and conclusions). 			
6. Instructions writing a series of steps in a procedure	- How do you find the centroid of a triangle using Geometer's Sketchpad? - How do you use your calculator for linear regression?			
7. Lists making a list (this is the easiest form of writing for students with communication difficulties; it requires no particular syntax)	-List all the things you still need to do to complete your math project List different forms of a linear relation Make a list of all the things that can be changed after you press the MATH key on the graphing calculator.			
8. Self-assessments giving feedback or comments about math work, learning experiences	- The hardest problem was I think I could do better if			
9. Descriptions describing procedures, conversations, group work	-Our group had trouble agreeing on The two different solutions that we got were			
10. Arguments/Justifications persuading others of a point of view, refuting other points of view, justifying a choice	- The most efficient way to solve this problem is I assumed a value of for the width because			
11. Explanations reasoning, findings, terms, attempts, strategies, answers, procedures, patterns, suggestions	- A calculator was not necessary to solve this problem because If we had to double the volume we would change There was more than one possible solution because			
12. Applications where this math/lesson could be used	 - How would a person in the field of medicine use mathematics? - How could a surveyor use the Pythagorean theorem? - Could a graph of a linear relation be used at a car rental business? Explain. 			
13. Problem Design student creates a problem that has to incorporate specific criteria	- Create a problem around the given graph Create a problem that can be solved by using the equation 2x - 17 = 539 - Create a problem that requires knowing that the alternate angles between parallel lines are equal.			

 $Source: \quad http://oame.on.ca/main/index1.php?lang=en\&code=ThinkLit$

Suggested Prompts for a Text-Features Search

1.	Using the Table of Contents, find the chapter number for the topic (e.g., ratio and rate, statistics and probability, exponents)
2.	In the Index at the back of the text, find and list all the pages that deal with (e.g., integers, line of best fit, surface area)
3.	On page, what is the purpose of the coloured box? (e.g., highlights the key ideas of the section)
4.	On page, what is the purpose of the icon beside question? (e.g., indicates that the use of a graphing calculator or spreadsheet is required)
5.	Where would you go in the textbook to quickly find a definition for?
6.	Where would you find the answer to question on page?
7.	In Chapter Two, which page reviews skills needed for the mathematics in this chapter?
8.	Turn to page How does the textbook review the concepts of the chapter?
9.	Which page has the "Review Test" for Chapter Four?
10.	Open the text to page What does the word "cumulative" mean? (e.g., cumulative review).
11.	On page, what is the purpose of the boldface type?
12.	Name the topic for the Chapter Problem in Chapter Five.
13.	Where would you go in the textbook to quickly find information on? (e.g., Geometer's Sketchpad®, graphing calculator, spreadsheet)

Source: http://oame.on.ca/main/index1.php?lang=en&code=ThinkLit

Marzano's Six Step Process Teaching Academic Vocabulary

- 1. Provide a description, explanation, or example of the new term.
 - · Looking up words in dictionaries is not useful for teaching vocab
 - Provide a context for the term
 - Introduce direct experiences that provide examples of the term
 - · Tell a story that integrates the term
 - Use video as the stimulus for understanding information
 - Ask students to investigate the term and present the information to the class (skit, pantomime, poster, etc.)
 - Describe your own mental picture of the term
 - · Find or create pictures that explain the term
- 2. Ask students to restate the description, explanation, or example in their own words.
 - · Monitor and correct misunderstandings
 - Must be student's original ideas, not parroting the teacher
- 3. Ask students to construct a picture, symbol, or graphic representing the word.
 - Model, model, model
 - Provide examples of student's drawings (and your own) that are rough but represent the ideas
 - · Play "Pictionary"
 - Draw an example of the term
 - Dramatize the term using speech bubbles
 - · Let them find a picture on the internet, if necessary

4. Engage students periodically in activities that help them add to their knowledge of the terms in their notebooks.

- Highlight prefixes, suffixes, root words that will help them remember the meaning of the term
 - Identify synonyms and antonyms for the term
 - List related words
 - Write brief cautions or reminders of common confusions
 - Translate the term into another language for second language students
 - Point out cognates to words in Spanish
 - Write incomplete analogies for students to complete
 - · Allow students to write (or draw) their own analogies
 - Sort or classify words
 - Compare similarities and differences

5. Periodically ask students to discuss the terms with one another.

- · Think-Pair-Share
- · Compare their descriptions of the term
- · Describe their pictures to one another
- Explain to each other any new information they have learned ("aha's")
- Identify areas of disagreement or confusion and seek clarification
- · Students can make revisions to their own work

6. Involve students periodically in games that allow them to play with terms.

- Pictionary
- "Oops" (formerly known as "Bang")
- Upset the fruit basket
- Memory
- Jeopardy (vocab words are on the board, players make up a question to define)
- Charades
- Name that Category (\$100,000 Pyramid)
- Password
- Talk a Mile a Minute (like Catch Phrase)
- Bingo (you give definition, kid marks the word)
- Create a skit (assign groups of 3-4 kids 3 vocab words to make a skit out of)
- Swat Game (post 2 sets of words, kids on 2 teams compete to find words first and swat with fly-swatter)

BEFORE you begin your next UNIT of INSTRUCTION:

1.	What Power Indicators (standards) are included in this Unit? List indicators
2.	What is the key academic vocabulary needed in this Unit? List words
	-
	Plan for direct vocab. instruction: (Marzano's 6 Steps for Teaching Vocab.
	YOU provide a description, explanation or example. (story, sketch, powerpoint)
	2. Ask students to re-state or re-explain meaning in their own words. (journal, community circle, turn to your neighbor)
	 3. Ask students to construct a picture, graphic, or symbol for each word. 4. Engage students in activities to expand their word knowledge. (add to their notes, use graphic organizer format)
	 5. Ask students to discuss vocabulary words with one another. (collaborate) 6. Have student play games with the words. (Bingo w/definitions, Pictionary Charades,)
3.	Plan to provide or activate background knowledge:
	Study Trip Guest Speaker (expert) Bring In Live Sample Bring In Actual Artifacts Theme Day ("Indian Day")
	 Video (United Streaming) Posters Graphic Organizer Community Circle Topic Other Show Photos Models of Actual Items PowerPoint Read Aloud (story)

4. Now you are ready to plan your Unit's lessons, activities, and assessments.

Word	Picture —	
Synonym		
Antonym		
my own words:		
Sentence		
Word	Picture	•
Synonym		
Antonym		
ı my own words:		