Color Vocabulary¹

Color vocabulary					
<u>Examples</u>		English Definition			
Salt Alum	mordant	It helps break down the			
Vinegar	IIIOI Gailt	fibers in the fabric so			
iron, copper, tin pots					
		the fibers will more			
Observation	TRADENING S S Salt VINEGAR	readily absorb the dye. In my language I would say:			
<u>Synonym</u>	at the same of the				
corrosive acidic					
Sentence: I am going to use a mordant called salt to help my fabric absorb the color in the dye bath.					
<u>Examples</u>		English Definition			
chlorophyll gives	•	English Definition			
leaves their green pigment.	pigment	A compound that gives a color to plants or animals.			
<u>Synonym</u>					
Synonym(s)					
coloring					
dye		In my language I would say:			
stain		in my language i would say.			
Sentence: The pigment from the yellow sweet broom flower turned my fabric a light brown.					

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<u>Examples</u>		English Definition
colander sieve	strainer	An object that has holes punched in it and used to
Observation Synonym(s) filter		separate solid material from liquids. In my language I would say:
Sentence: Use a str the liquid.	ainer to remove the blackberries from	
Examples: cotton swatches wool nylon	fiber	English Definition A material made from natural or synthetic sources. Natural sources can come from plants
Observation	CRAFFERS	like cotton or animals like wool from sheep.
Synonym(s) thread		In my language I would say:
Sentence: Did you k easily than plant-ba together make fabri		

Examples flowers trees animal fur	natural materials	English Definition Resources that come from nature. They are not man made.
My Observation Synonym(s) organic matter natural resources	Blueberrie,	In my language I would say:
Sentence: You can outse as a dye for you	choose a variety of natural materials to r investigation.	
Examples		English Definition
<u>Observation</u>		In my language I would say:
Synonym(s)		
Sentence:		

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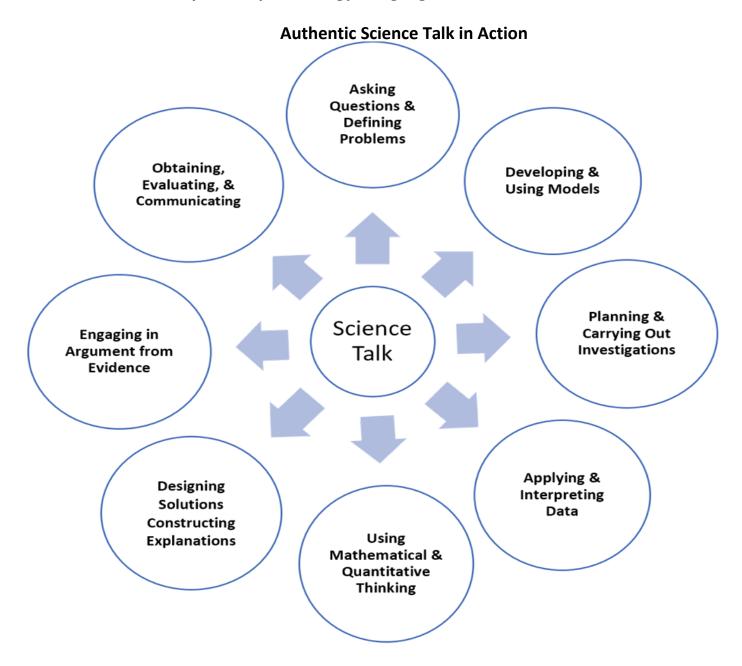


CAL Webinar: Kitchen Chemistry & Backyard Biology: Language and Science in the Home Science Log²

Focus Question :	Date :
Observations :	
	Plant
	Flant

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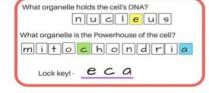


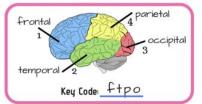
Digital Escape Room:

- Purpose some type of mystery to solve or goal to reach
- Clues a series of puzzles or quesitons to solve, one puzzle at a time, eventually leading to the goal

 Multiple Choice Questions For example, your first clue can consist of five multiple choice quesitons. The correct answers may be A-C-D-A-B. The key code that opens the lock would be ACDAB

- o Series of True/False Questions TFTFF
- Fill in the Blank or Quesitons that have a very specific single word/phrase answer are also to use.
- o Math Calculations
- Diagrams- ask students to label it. The key code can be the first letter of each label int he order the labels are numbers.
- Something to Unlock -a combination lock or access code. The answers are provided by the clues that studnets solve along the way





• A Time Limit (Optional) – students must complete the puzzles, open the locks, and reach the goal in a set amount of time. The choice to use a timer depends on your group of students. A time limit can drive motivation and focus, or it can add to much stress.

Example of Digital Escape Room

- Google Site: Digital Escape Room Penguin's Food Adventure https://bit.ly/2Xu7lx6
- Tutorial on how to create Digital Locks using a Google Form https://bit.ly/2xrBtij





ThingLink:

- Visual learning platform- easy to embed images, videos, audio files, links, and virtual tours
- All text descriptions in image or video hotspots can be read with Immersive Reader in over 60 languages
- Can be used for presentations or lesson plan Teacher Lesson Plan Sample https://bit.ly/2xol4K5





Student Created Sample https://bit.ly/34vMqLu







Brochure Double Journal Entry _____Topic:______

age number	From the Text	My Thoughts



Infographic Journal Entry

Name:	Topic:					
	select a term that you find meaningful or ir, write an interesting phrase from the text. In analysis).					
Vocabulary Term	From the Text	My Thoughts				



Quiz Reflection

Name:	Quiz:	
Reflect on the questions you got	wrong. Explain why you think you got it w	rong. Use the choices below

- a. I didn't understand what the question was asking
- b. Understood what the question was asking but wasn't sure about the content
- c. Careless mistake
- d. I didn't know the material because I didn't study this or I'm not sure we ever talked about this
- e. Other, maybe there is another reason you can think of

Question I	Reason I got it wrong	Where the material can be found
got wrong	(use choices above and elaborate)	(readings, PowerPoints, notes, etc.)



Backyard Botany

- Activity to get learners outside and exploring plants at a deeper level
- Adaptable for different grade levels and language proficiency
- Could be done on a walk, in a park, in the backyard, or any grassy area with plants.
- Learners create field notes for 10 different plants
- Then could use an app to learn more
- Preview vocabulary before starting
- Afterward, learners could compare specimens with sentence frames
- Write about plants in their area with paragraph frames

Types	Parts	Texture	Physical Attributes	Habitat Attributes
plant	leaf	smooth	narrow	dry
tree	stem	jagged	wide	wet
grass	trunk	waxy	hard	field
blossom	roots	rough	soft	forest
shrub	petals	bumpy	flexible	marshy
bush	veins	thin	rigid	rocky
flower	stamen	thick	shallow	



Backyard Botany Journal

Specimen	Rubbing/ sample	Description	Habitat	Notes
Plant 1				
Plant 2				
Plant 3				
Plant 4				
Plant 5				
Plant 6				
Plant 7				
Plant 8				
Plant 9				
Plant 10				



Garden or Park Plot

Choose a section of a nearby park, backyard, or grassy space. Plot the plants you found on this map by writing their numbers from the table above. Observe the park or garden at different times throughout the day. Below the plot, create a legend with your own colors to show how much sun or shade the plants get during the day. Based on your findings, are the plants in the right location based on their needs?

Legend							
= Shaded most of day = Partially shaded most of day							
= Sunny most of day							



Fun Home Demonstrations - Make a tornado or whirlpool

Materials

- \circ 2 2 liter plastic bottles
- o 1 roll of packaging tape or duct tape.
- o Dish soap clear is preferable, but not required.
- o Blue glitter

Directions

- o Fill one of the bottles 2/3rd full with water.
- o Add 2 squirts of liquid soap.
- o Add about 1 teaspoon of glitter.
- Place the other bottle on top and seal tightly using tape. Packaging tape works well because it is see through.

• Creating the Tornado

- Flip the bottles upside-down. Turn the bottle upside down ar water the chance to flow from the top to the bottom.
- o Think of it like the motion of flipping an hourglass. The bottom bottle should now be filling with water, and the top bottle should be emptying of water. Hold the bottles for support.
- o Do this 2 or 3 times. This is distributing the air pressure. There should be less air pressure in the top than the bottom.
- Now shake up the water in the bottle in a circular motion. It might take a few tries.
- When you stop, the water should empty in a circular cone-like format that mimics a tornado or whirlpool.
- o The glitter attaches itself to the soap for a clearer view.
- **Discussion:** Why does this happen?





Vocabulary Sort/Memory

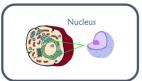
Instructions:

- 1. This is an activity where the students use their memory skills to review vocabulary or content concepts.
- 2. Students lay out cards on a table and turn them to match the word/concept and their definition. As a challenge you may add a visual representation (i.e. picture, formula, symbol, etc.).
- 3. As students make their matches, they must restate the definition in their own words or they may not collect their cards. Students may work in teams.
- 4. At the end, they must draw two to three conclusions about the information.

Example:

Nucleus

The **nucleus** controls many of the functions of the **cell** (by controlling protein synthesis) and contains DNA (in chromosomes).



Vocabulary Sort/Memory

Words	Definitions
1.	
2.	
3.	
4.	
5.	
6.	
What conclusions can you draw based on the words	and definitions?



Window Weather Forecast: Compare and Contrast

My location:	Forecast date:	
Times when checking weather forecast:	Source:	

Time	Weather Forecast	Actual Weather	Actual Temperature
9am	°F		
10am	°F		
11am	°F		
12pm	°F		
1pm	°F		
2pm	°F		
3pm	°F		
4pm			



	°F	
5pm	°F	
брт	°F	
7pm	°F	
8pm	°F	

Sentence stems

Write a letter to the weather forecaster. You might use some of the sentence stems below:

- Compared to the weather forecast...
- *The actual weather...*
- Throughout the day...
- As forecasted....
- The data shows that...

