



David Wolff

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Austin Public Schools #492

Today's Objectives

David's presentation on Vocabulary.

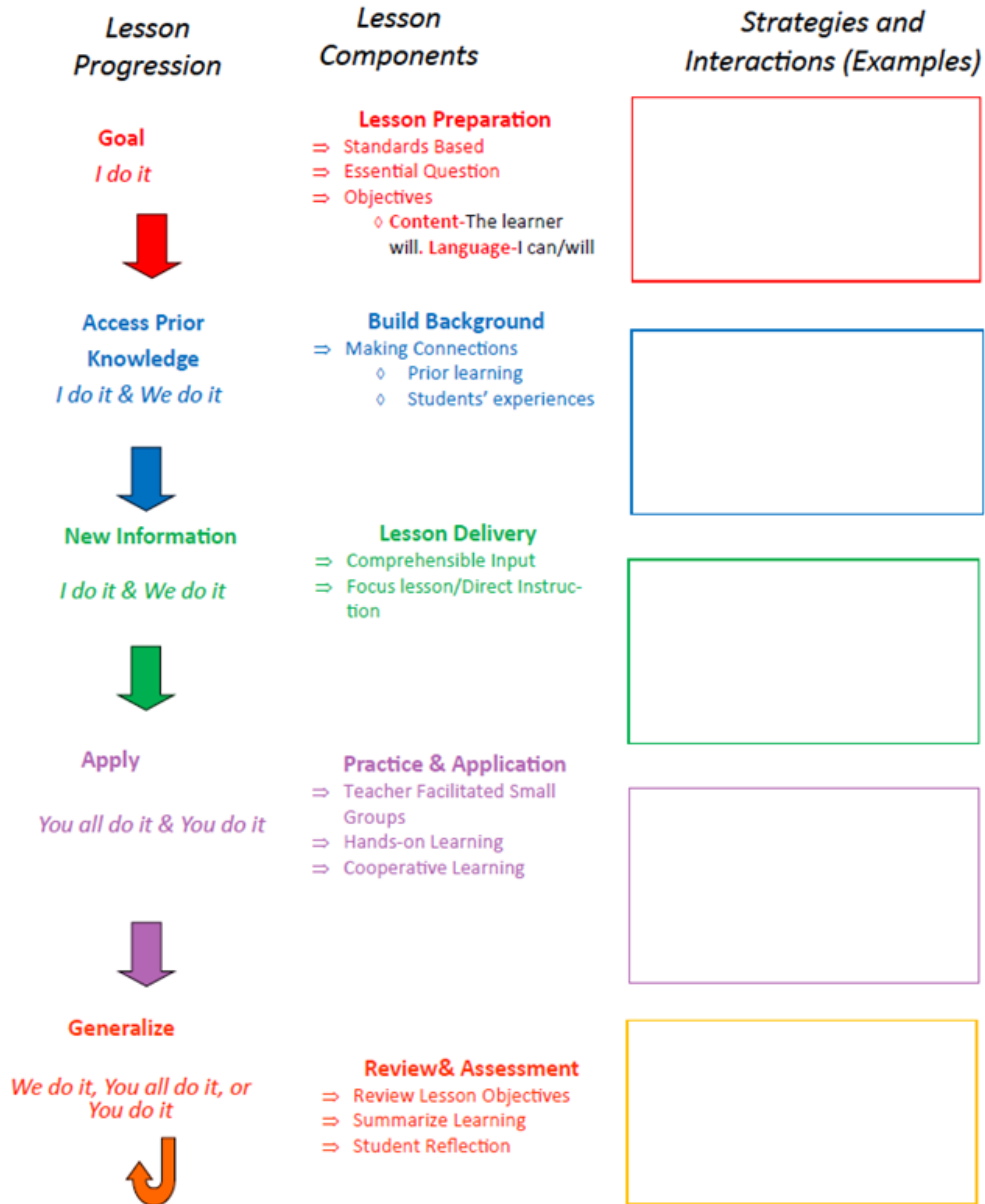
The learner will use various strategies to build background knowledge and academic vocabulary.

Learners will use vocabulary strategies to preteach content.

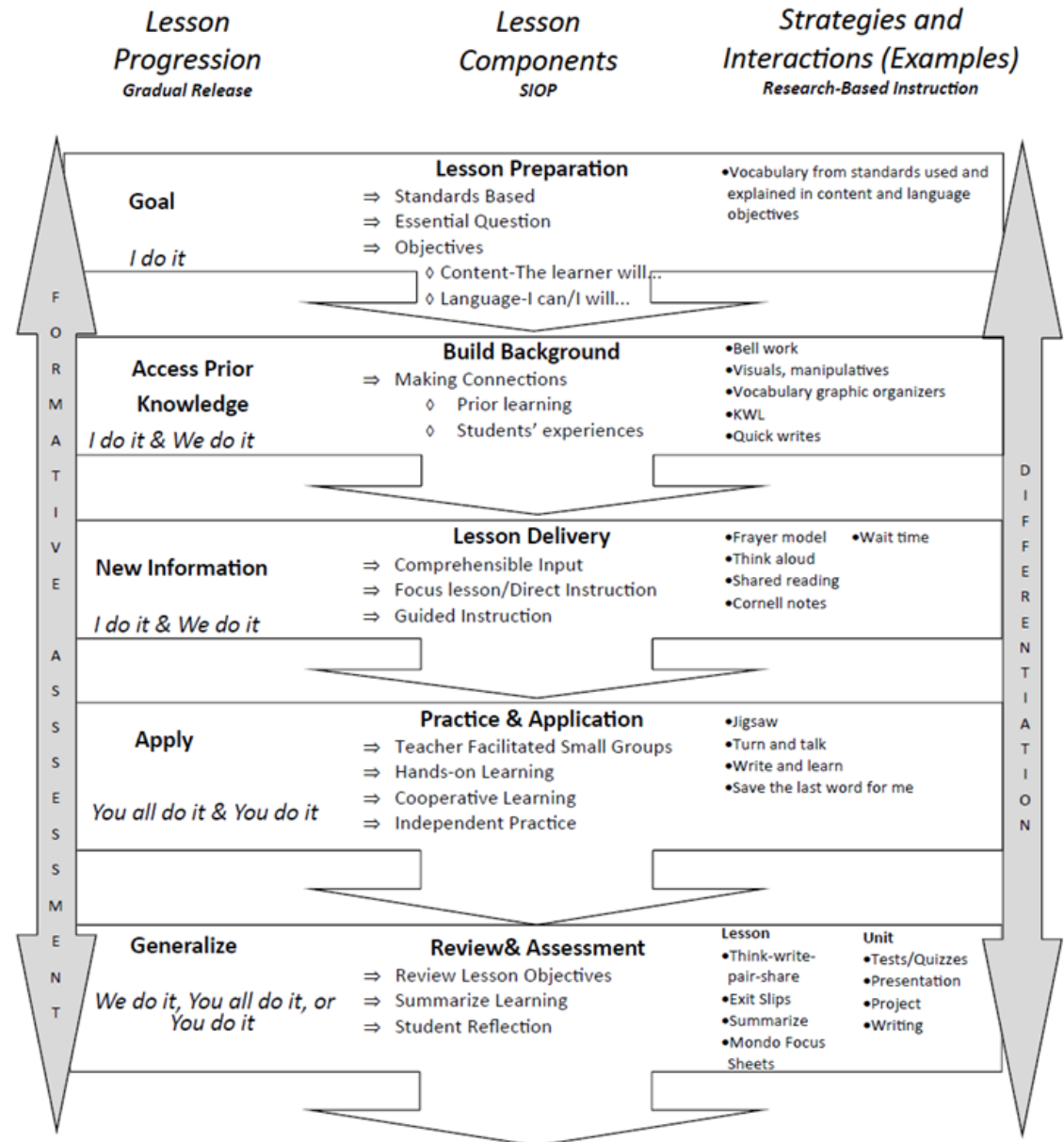
Learners will practice using Vocabulary Strategies

Students critical thinking will increase

Instructional Model



Instructional Model



“What students already know about the content is one of the strongest indicators of how well they will learn new information.”

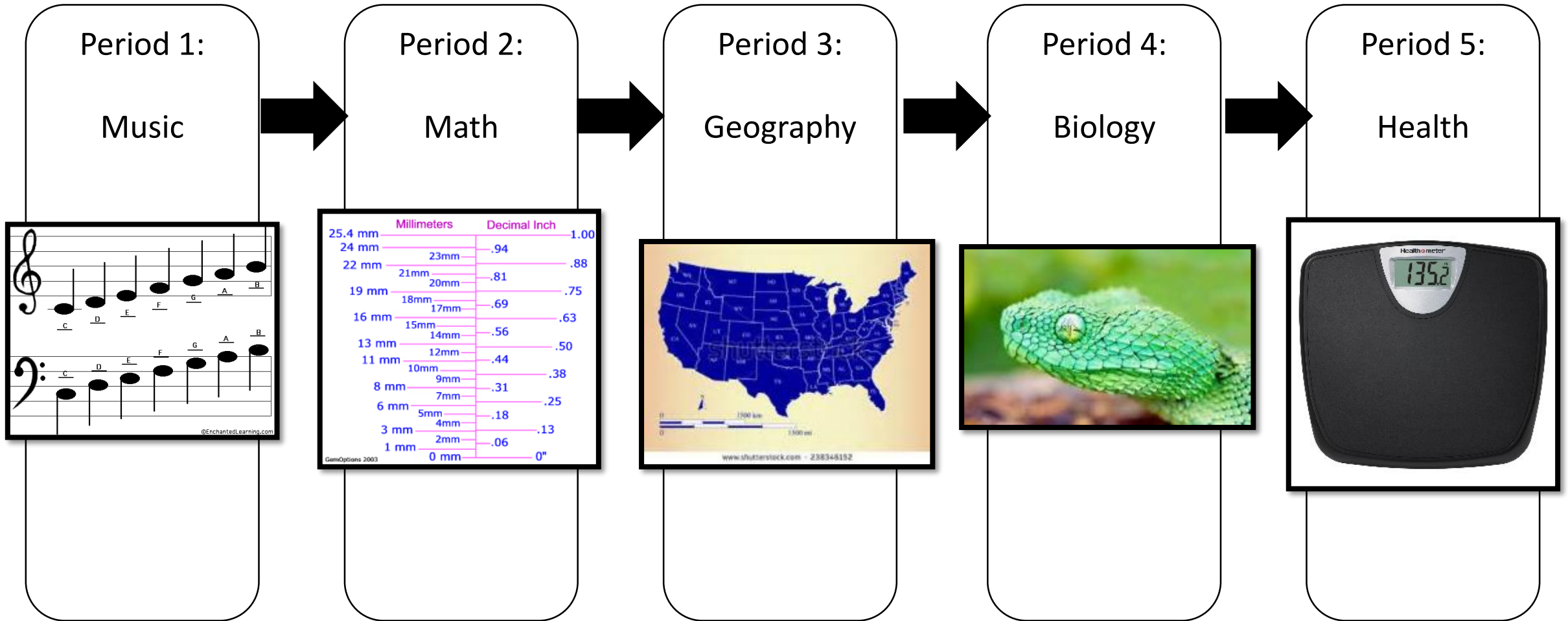
- Marzano, 2004

What's the difference between **activating prior knowledge** and **building background**?

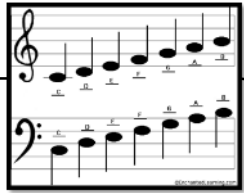
Building **background knowledge** is used to *fill gaps* and to help *connect* what students do know with what is being learned.

All students can activate **prior knowledge** from previous schooling and life experience.

Class Schedule: Middle School EL in 'Developing Stage'



Class Schedule: Middle School EL in 'Developing Stage'



Music

Your teacher introduces the new term **scale**.

"A scale is a series of tones ascending and descending in pitch."

A sample sentence using scale:
She practices scales on her piano.

Millimeters	Decimal Inch
25.4 mm	1.00
24 mm	.94
22 mm	.88
19 mm	.75
16 mm	.63
13 mm	.50
11 mm	.44
8 mm	.38
6 mm	.25
3 mm	.13
1 mm	.06
0 mm	0"

Math

Your teacher is describing the decimal **scale** as a system of numbering.

"The decimal scale is counted by tens."
"For example, we use cents, dimes, and dollars."



Geography

You are working on drawing a city map to **scale**.

"The map's scale should be drawn at 1 inch for each 100 miles."
Justify the scale used on a variety of different maps.



Biology

Your teacher is giving a mini-lecture on the topic of fish. "Most jawed fish have a protective covering of **scales**. A scale is one of the thin, hard, flat plates, forming the outer cover of many fish, lizards, and snakes."



Health

Your health teacher is talking about growth and development.

"A baby **scale** is one way to measure growth in tiny infants."





multiple meaning words


Homophone
Same pronunciation
different meaning

Both a
homophone (same
pronunciation)
and a homograph
(same spelling).

Homograph
Same spelling
different meaning

 Heterograph
Sound alike but have different spelling and multiple meanings.
Example: meat (food) or meet (getting together with other people.)
1. I cooked the meat on the barbeque.
2. I want to meet you at the park tomorrow.

 Homonym 
Sound alike and have the same spelling and multiple meanings.
Example: bowl (to put items in) or bowl (to knock over)
1. I put cereal in my bowl.
2. Be careful or that big dog will bowl you over.

Heteronym 
Sound different, but have the same spelling and multiple meanings.
Example: bow (to bend over) or bow (tied ribbon)
1. After the play I took a bow.
2. There was a bow on top of the present.

How do we support our ELs and ALLs in the classroom?





VS



Building OUR Awareness

Understanding Academic Vocabulary

Input

Output





Listening

Speaking



Reading

Writing

	Input	Output
	Listening	Speaking
	Reading	Writing

Selecting Vocabulary: **Three Tiers**

“Thinking of words as belonging in **three tiers** – Tier 1, Tier 2, and Tier 3 – can help deepen and refine our understanding of academic vocabulary and help us decide which words are worth teaching.”

-Beck, McKeown, & Kucan, 2002.

Tiered Vocabulary

Tier 1 Descriptors	Tier 2 Descriptors	Tier 3 Descriptors
<p>Write four descriptors each tier from the “Three Tiers of Words” article.</p>		
<p>EXAMPLES that came to mind</p>		

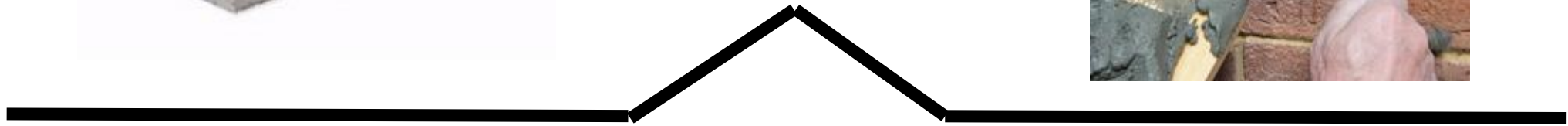
Share Out: Famous Pairs



“We teach **too many Tier 1 words**,
not enough Tier 2 words, and we’re just
about **right-on** with our teaching of Tier 3
words.”

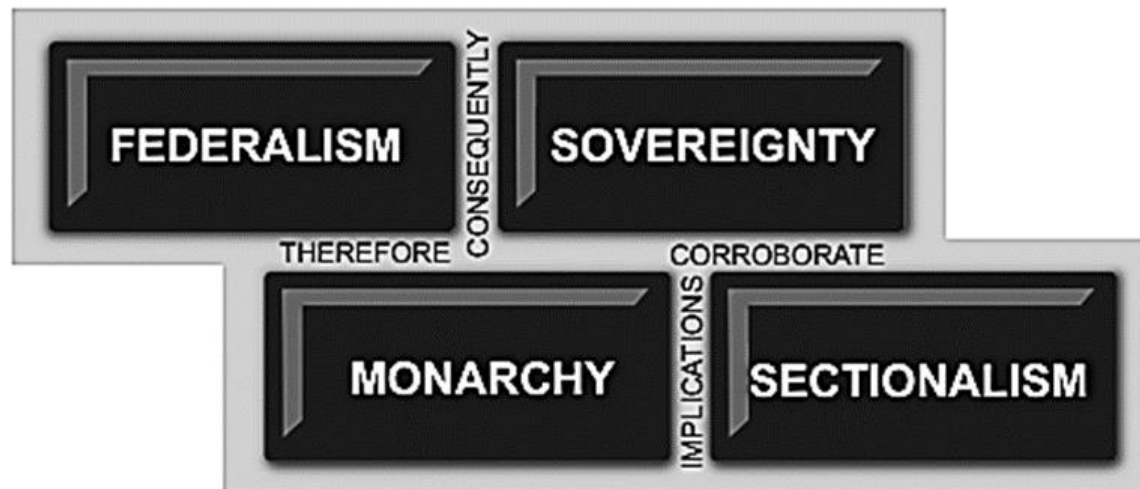
- Doug Fisher, Secondary Literacy Conference, 2010

RF: are like



Tier III Words

Tier II Words



Journal G.I.S.T.

Read
your
assigned
journal.

NEWSELA

Circle 10
important
words from
the
journal.

Using those
10 words,
write a
summary of
the article.

Building
Background
Knowledge:
3 Instructional
Interventions

Provide experiences

Introduce a
conceptual framework

Teach vocabulary as a
pre-reading step

Supports for Academic Language Learners

Sensory	Graphic	Interactive	Linguistic	Behavioral
Picture Realia Videos Play Nonverbal Communication	Thinking Maps Graphic Organizers Anchor Charts Illustrations Modeling	Cooperative Learning	Vocabulary Strategies Sentence Frames Word Walls	Illustrated Expectations Anchor Charts

Providing the “just right, right now” support

Encouraging success

Temporary



S
C
A
F
F
O
L
D
I
N
G

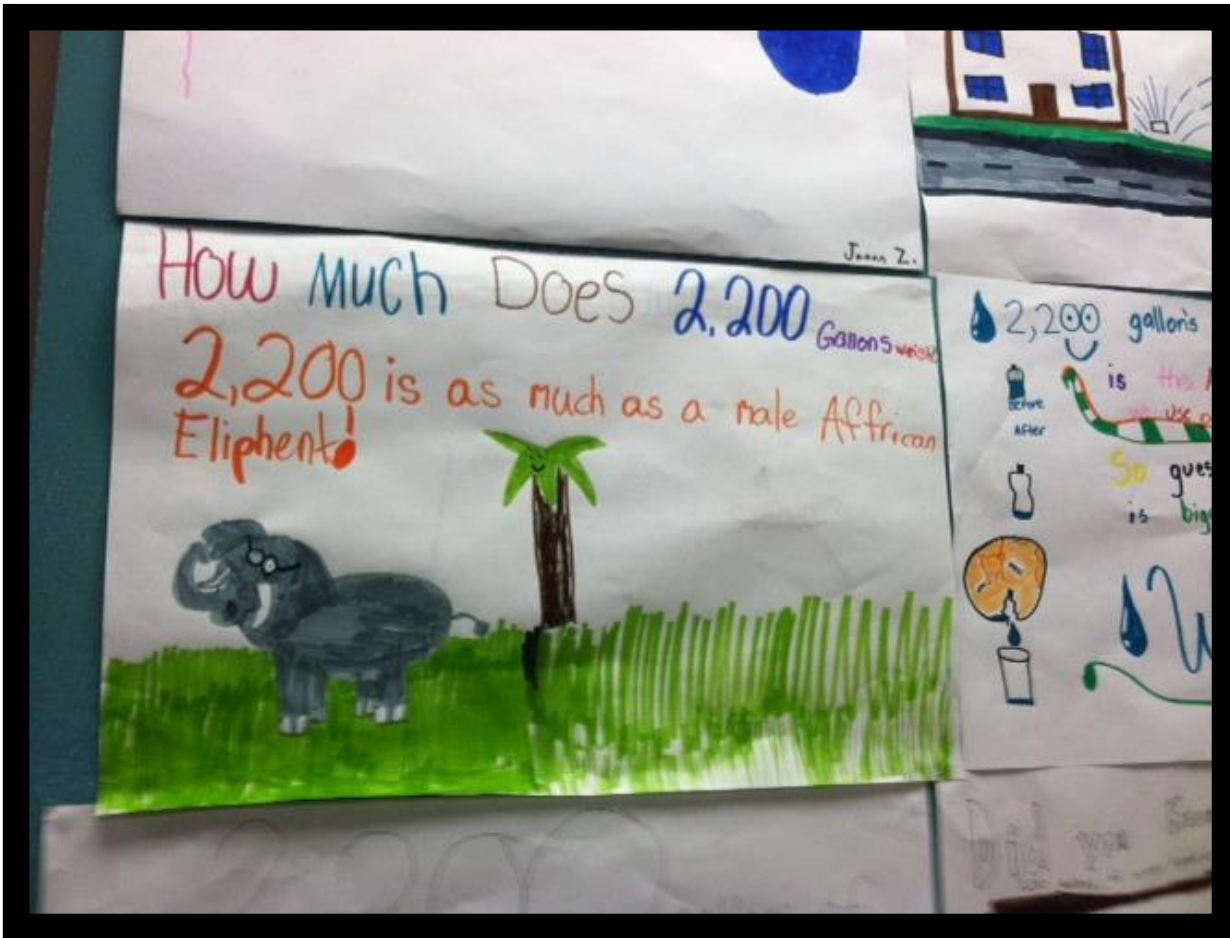
Involves withdrawing support as the student’s skills develop

Enables the student to complete a task

Involves monitoring the learning process

Sensory Supports

Realia, Pictures, Illustrations



Realia, Pictures, Illustrations

scrumptious

yummy

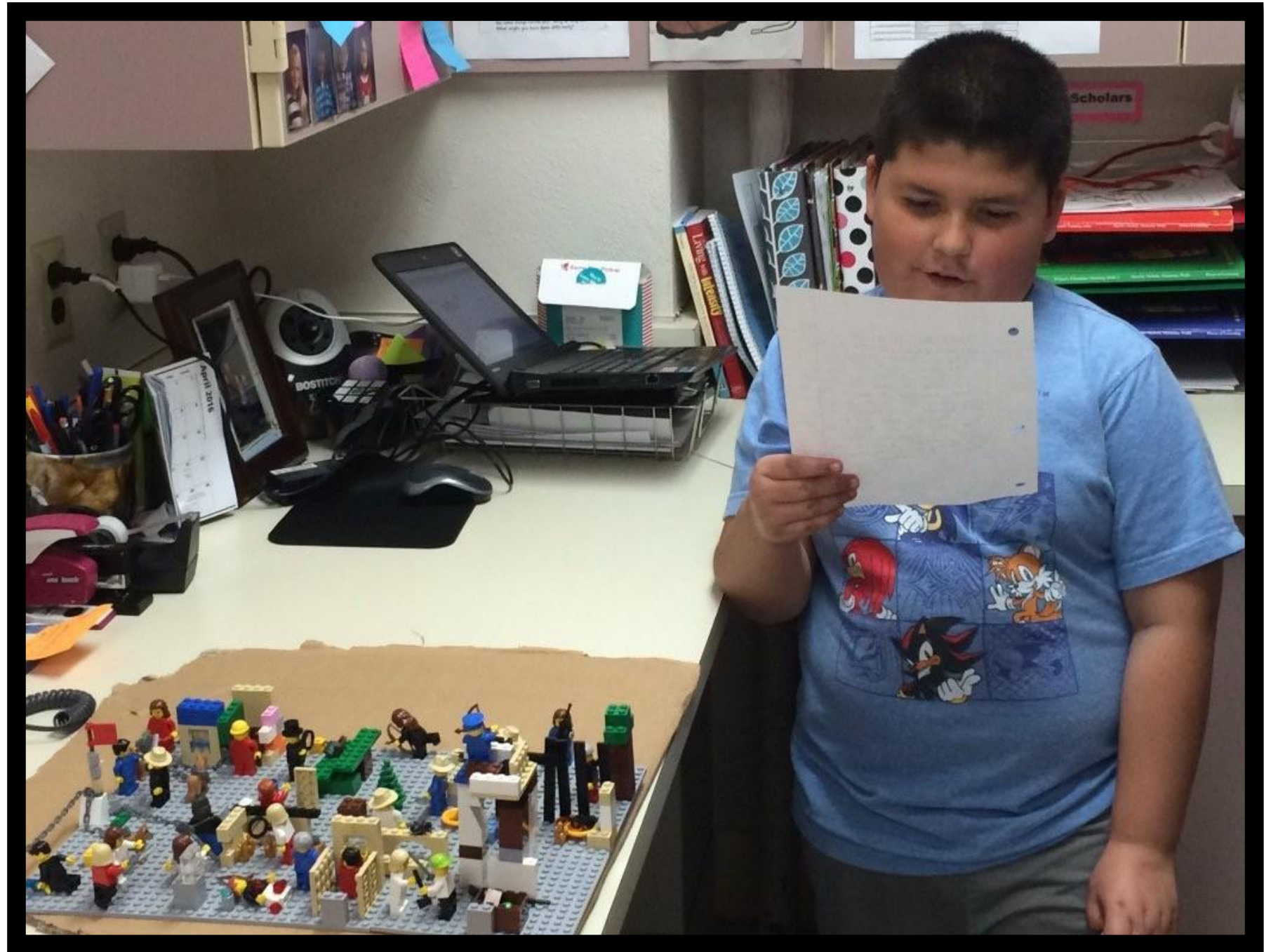
eating

devour

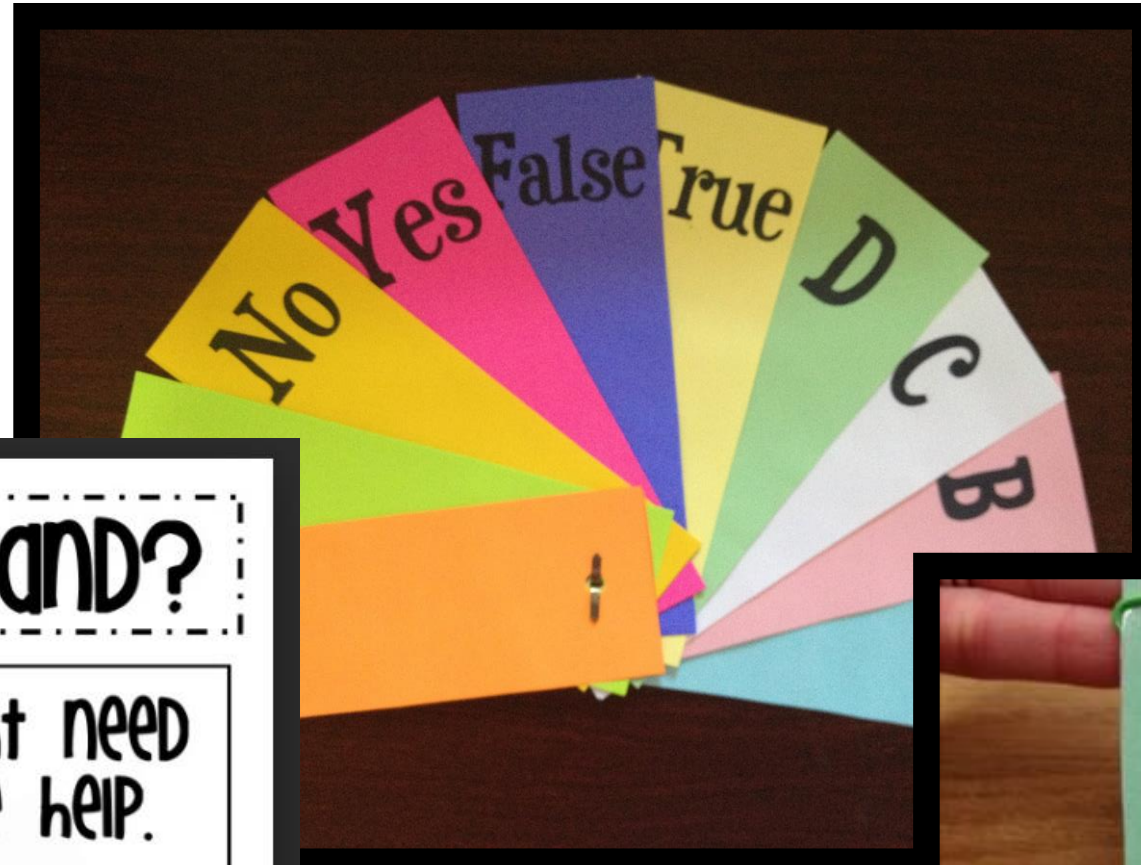
cookies



Lego Story Starter



Nonverbal Responses

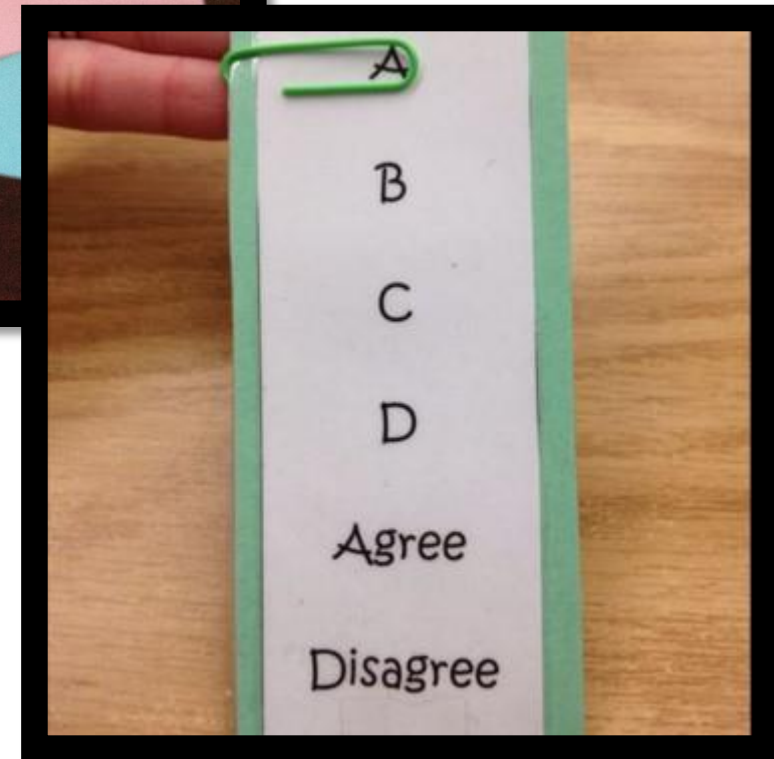


DO YOU UNDERSTAND?

Yes!
I can explain it.

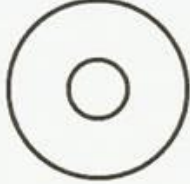



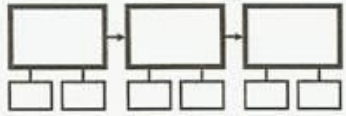
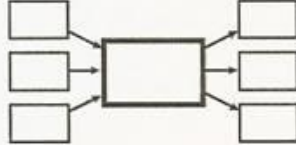
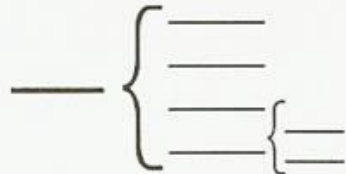
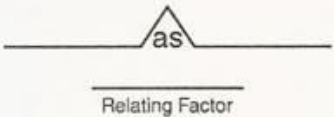


I might need
more help.




Graphic Supports

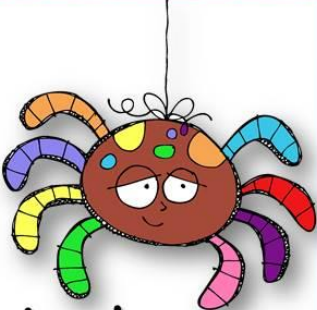
Thinking Maps

<p>CIRCLE MAP</p>  <p>For Defining in Context</p>	<p>TREE MAP</p>  <p>For Classifying and Grouping</p>
<p>BUBBLE MAP</p>  <p>For Describing using Adjectives</p>	<p>DOUBLE BUBBLE MAP</p>  <p>For Comparing and Contrasting</p>
<p>FLOW MAP</p>  <p>For Sequencing and Ordering</p>	<p>MULTI-FLOW MAP</p>  <p>For Causes and Effects</p>
<p>BRACE MAP</p>  <p>For Analyzing Whole Objects and Parts</p>	<p>BRIDGE MAP</p>  <p>For Seeing Analogies</p>

Anchor Charts



EEKK!



Elbow to elbow, knee to knee,
I'll read to you
and you'll read to me.
Elbow to elbow, knee to knee,
book in the middle
so we both can see!

©Created by Lori Rosenberg @ Teaching With Love and Laughter

Literary Elements

Setting

- outside
- beach
- mall
- neighborhood
- science fair
- the pool
- lake
- house
- haunted house

Talking characters

- people

Oops! There's a problem!

- deep water
- too many toys

Roadblocks

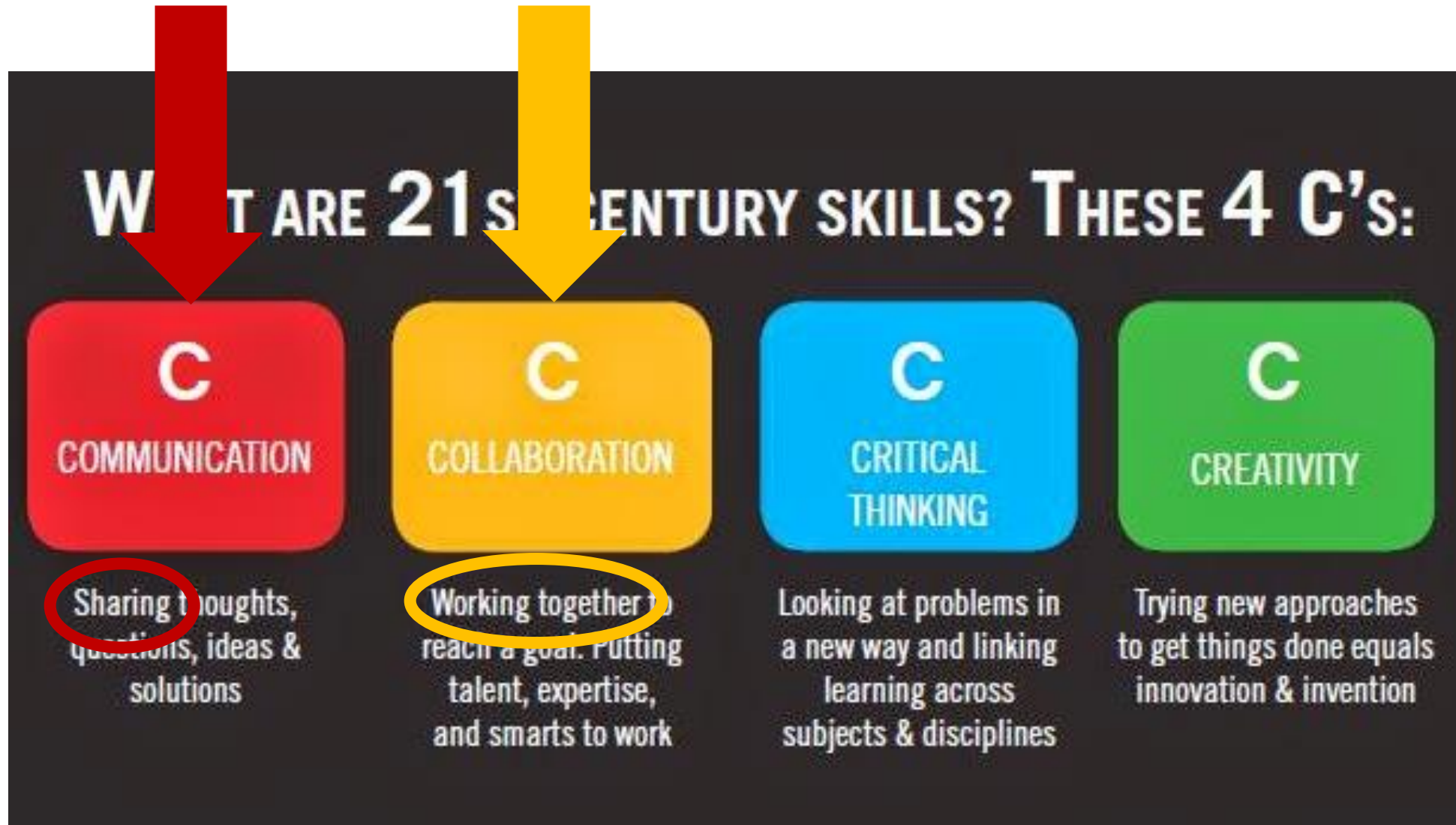
- make it difficult to solve the problem

Yes! There's a solution!

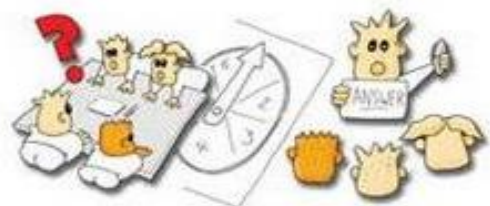
Simply 2nd Resources

Interactive Supports

Interactions in the 4C's



Cooperative Learning Strategies



Numbered heads together



Think, Pair share



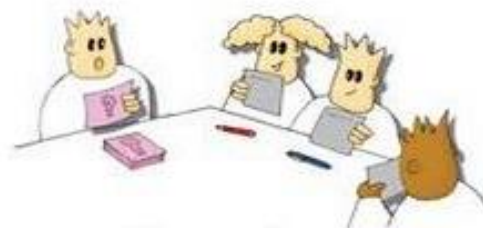
Rally Robin



Roving Reporter



Pairs Check



Showdown



A GOOD COACH



FIND MY RULE



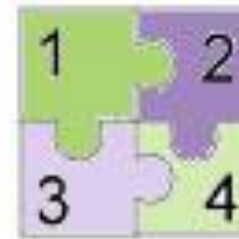
Home Group A



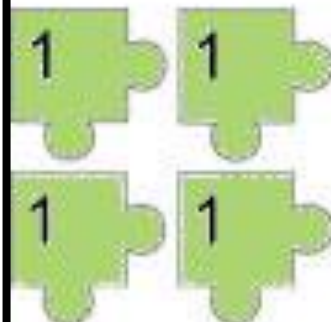
Home Group B



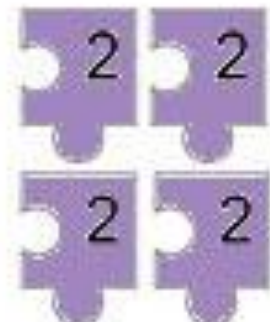
Home Group C



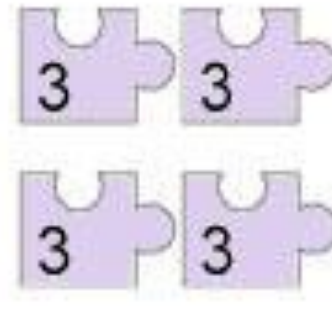
Home Group D



Expert Group 1



Expert Group 2



Expert Group 3



Expert Group 4

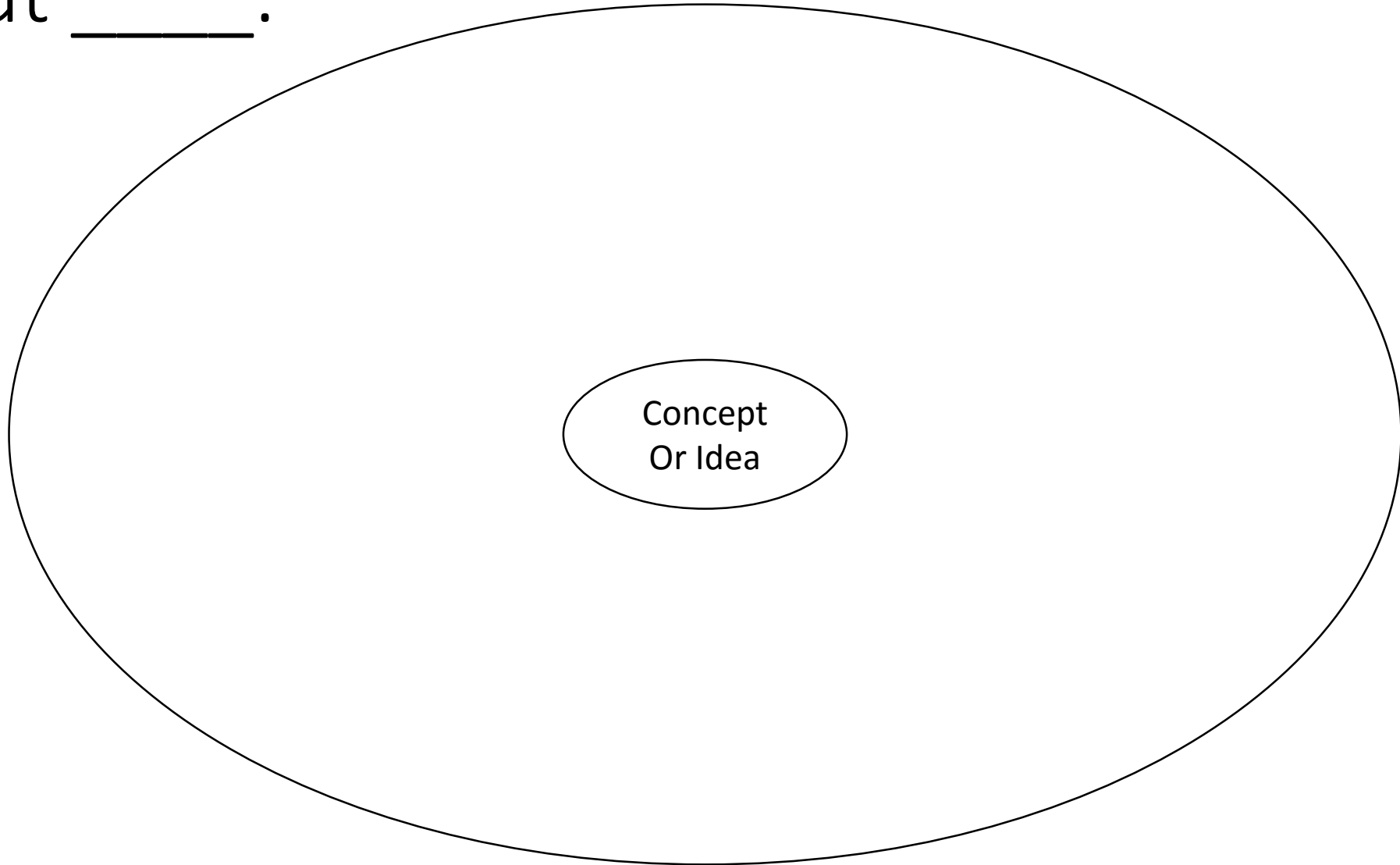
Flexible Groups	Ability/Achievement Groups	Cooperative Groups
Determined by teacher perception or evidence of learning	Determined by scores on standardized tests	Determined by the teacher or student choice
Based on specific learning needs	Based on general performance or achievement	Based randomly
Fluid group membership	Rigid group membership	Fluid group membership
Groups work on different activities based on needs	Groups tend to work on the similar activities	Groups work on the same task
Students are grouped and regrouped based on learning needs	Students may or may not be regrouped based on learning needs	Students are mixed to provided peer instruction or leadership within the group
Occurs as needed	Occurs daily	Occurs when task seems appropriate
Grouping for the purpose of individual skill proficiency and learning needs	Grouping based on perceptions about innate ability	Grouping for the purpose of developing collaborative skills

Authentic Experiences



Linguistic Supports

Brainstorming: Tell me everything you know about _____.



Picture Walk



Word Walls

0123456

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp

Our Word Wall

Aa	Bb	Cc	Dd	Ee	Ff	Gg	Hh	Ii	Jj	Kk	Ll	Mm	
at*	am*	be	can*	do	end*	favorite	get*	have	I	jump*	kick	like*	me
are	and*	color	don't	friend	from	in*	it*	love	my*	look*			
Nn	Oo	Pp	Qq	Rr	Ss	Tt	Uu	Vv	Ww	Xx	Yy	Zz	
no	on	play	run*	see*	she	the	up	very	want		you		
	off				there				what				

1- Marble
2- Lego
3- Animals
4- Play-Do
5- Blocks

3
4
5
6

Word Walls

68 69 70 71 72 73 74 75 76 77 78 79 80

R **S** **T** **U**

radiation 

scientific method 

thermal energy 

recessive **Bb** 

sound energy 

topsoil 

reactant $\text{Fe} + \text{O}_2 \rightarrow \text{Fe}_2\text{O}_3$

solar energy 

rock cycle 

sexual 

sedimentary 

Word Walls

Academic Vocabulary

Quadrant
Integer
Exponential Form
Terminating Decimal
Equivalent Equation
Indirect Measurement
Similar Figures
Domain
Range
Negative Integer
Positive Integer
Ordered Pair
Standard Form
Least Common Denominator (LCD)
Two-Step Equation
Non-Proportional
Rate
Function
Rate of Change
The vertical number line in a coordinate plane.
The point at which the x-axis and the y-axis intersect in a coordinate plane. The origin is at (0,0).
x-axis
Factors
Formulas
Unit Rate
Proportion
Scale
Function Rule
Slope
x-coordinate
Additive Inverse
Squared/Cubed
Unlike Fractions
Coefficient
Corresponding Angles
Proportional
Scale Factor
Constant Variation
Function Table
The result when one positive number is paired with one negative number. The value of the sum pair is 0.
Absolute Value
Exponent
Like fractions are fractions with the same denominators.
Multiplicative Inverse
Corresponding Sides
Scale Model
Constant Rate of Change
Inverse Variation
Opposite
y-coordinate
Base
Reciprocal
Cross Products
Scale Drawing
Direct Variation
Linear Function
Coordinate Plane
Graph
Repeating Decimal
Equation
Equivalent Ratios

L

list

snowboarding

half pipe

ice making

gold medal

weather

past

olympics

G

group

weather

ice making

snowboarding

half pipe

gold medal

past olympics

L

label

CONDITIONS

EVENT

HISTORY

Name: _____ Date: _____

LIST - GROUP - LABEL

TOPIC: _____

1) LIST all the words you can think of that relate to the topic.

LIST

--

2) GROUP the words into different categories.

3) LABEL the groups.

GROUP

LABEL

4) Read the reading passage.

5) Go back to your words and groups and add/adjust if needed.

BONUS: Choose one of your categories and write a paragraph on the back of this paper using all of the words you placed in that category.

Feature Analysis

features insects	6 legs	3 body parts	has wings	lays eggs	bites	stings
bees	+	+	+	+	-	+
ants	+	+	-	+	?	-
mosquitoes	+	+	+	+	+	-
wasps	+	+	+	+	-	+
cricket	+	+	-	+	-	-

Frayer 4-Square

Definition in
own words

Drawing

Word

Examples/
Synonyms

Non-Examples/
Antonyms

K-W-L Chart

Topic: _____

What I **K**now

What I **W**ant to Know

What I **L**earned

K-W-L

Vocabulary Predict-o-gram

Predict-O-Gram

Settings	Characters	Goal or Problem
Actions	Resolution	Other

Anticipation Guide



Before

Anticipation Guide

Type topic here.



After

True	False		True	False
		Type or print statement here.		
		Type or print statement here.		
		Type or print statement here.		
		Type or print statement here.		

News for You

Zika Starts the Latest of Many Battles in Humans' War on Mosquitoes

How a Bloodsucker Spreads the Zika Virus



Feeding & Biting
The female mosquito feeds on blood. She uses her mouthparts to pierce the skin and suck blood. She also injects saliva into the skin. This saliva contains chemicals that help her digest the blood. It also helps her hide from the host's immune system.

A Champion and His Dogs Win Fourth Iditarod

What do you do when you see these sled dogs? Do you think they're just a bunch of furry animals? No, you're looking at the fourth Iditarod champion, Laddie, and his team of sled dogs.

A Record Race

The race started in Fairbanks, Alaska, and ended in Nome, Alaska. It was a tough race, but Laddie and his team did it in a record time.

News for You

'Skyslide' to Open in LA, 1,000 Feet in the Air

What do you do when you see these sled dogs? Do you think they're just a bunch of furry animals? No, you're looking at the fourth Iditarod champion, Laddie, and his team of sled dogs.

- 1. What will be added to the U.S. Bank Tower's top?
a. a bar
b. a club
c. a training school

Who Are Up for Adoption

Adoptive Parents	Adoptive Parents

<http://www.newreaderspress.com/news-for-you-online>

Polluted air cuts the length of a lifetime in China, new study shows

By Los Angeles Times, adapted by Newsela staff on 07.15.19
Word Count 722



BEIJING — Dry air decreases human lifespan, says a new study. Its research shows that life expectancy is 5.5 years shorter in northern China than in the south. Experts believe this is because of air pollution — the dirt and dust floating in the atmosphere.

The study was published on Monday. It examined the air in 90 Chinese cities between 2003 and 2010. This information was then compared with death rates in 145 places across the country.

There is a strong link between air pollution and ill health. And many people in a poor country that mostly depended on coal for energy are suffering from poor air quality. This affects people in China.

Parents say students shouldn't have to breathe Beijing's toxic air in class

By Los Angeles Times, adapted by Newsela staff on 01.13.16
Word Count 639



Young students wear masks as they stand near a Chinese elementary classroom in Beijing, Jan. 16, 2015. Beijing built up in the Chinese capital as the second red part of the month with the effect, forcing many of the roads and reducing factory production. Photo: AP/Wide World

BEIJING, China — It was a one-two punch: first air pollution, and then all of the government's rules and regulations.

Gao Zhang, like many Beijing residents, has taken steps at home to protect her two children from the city's notorious air pollution. Yet her 7-year-old son's public school, Yunhe Elementary, has not installed any air purifiers — machines common at expensive private schools — leaving its students no choice but to breathe the toxic air.

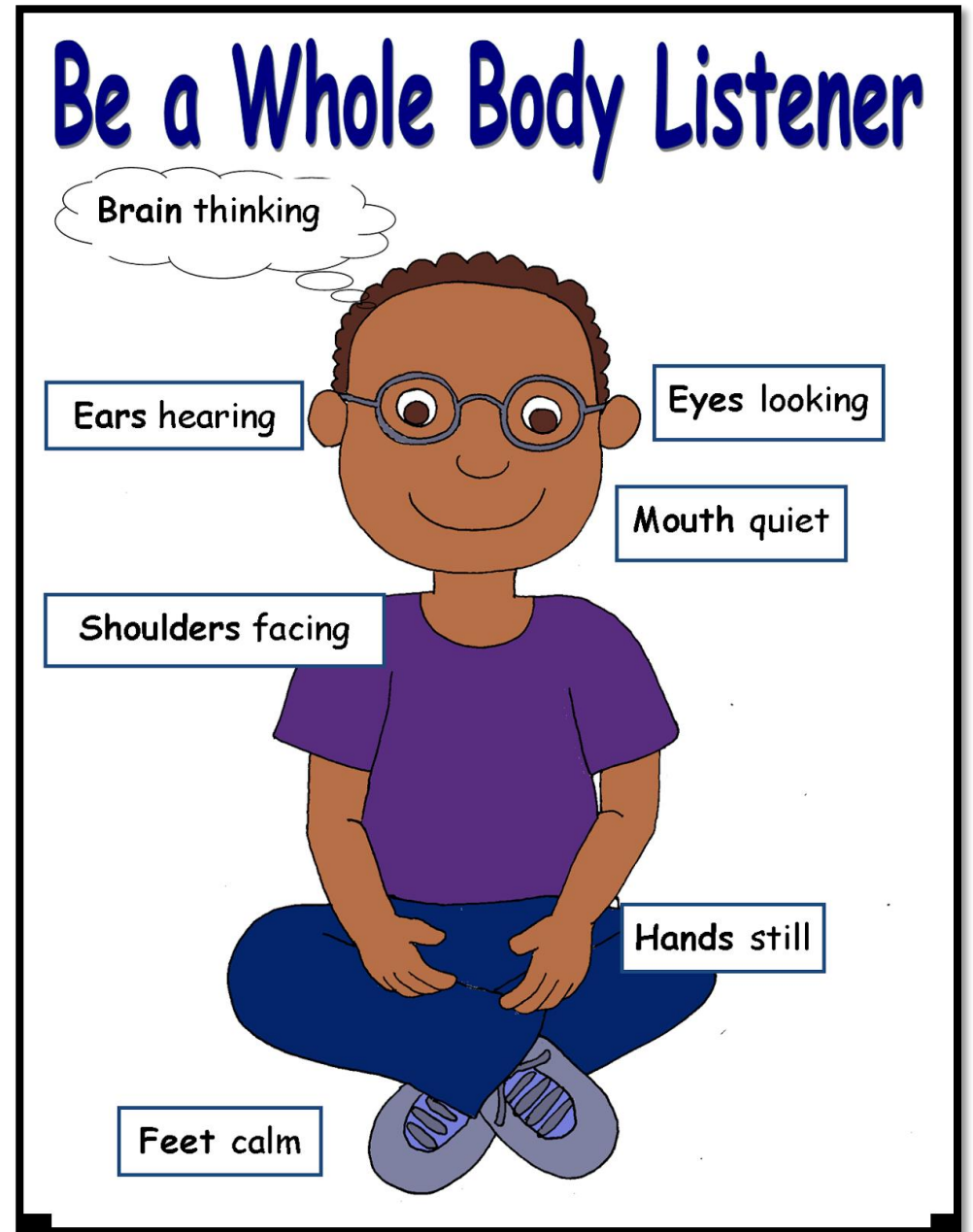
Schools Offer Assistance To Parents

Zhang recently joined other parents to offer a few air purifiers to the school. But school administrators refused, and their reason — that the government's "purifiers" use — led her to a nightmarish experience.

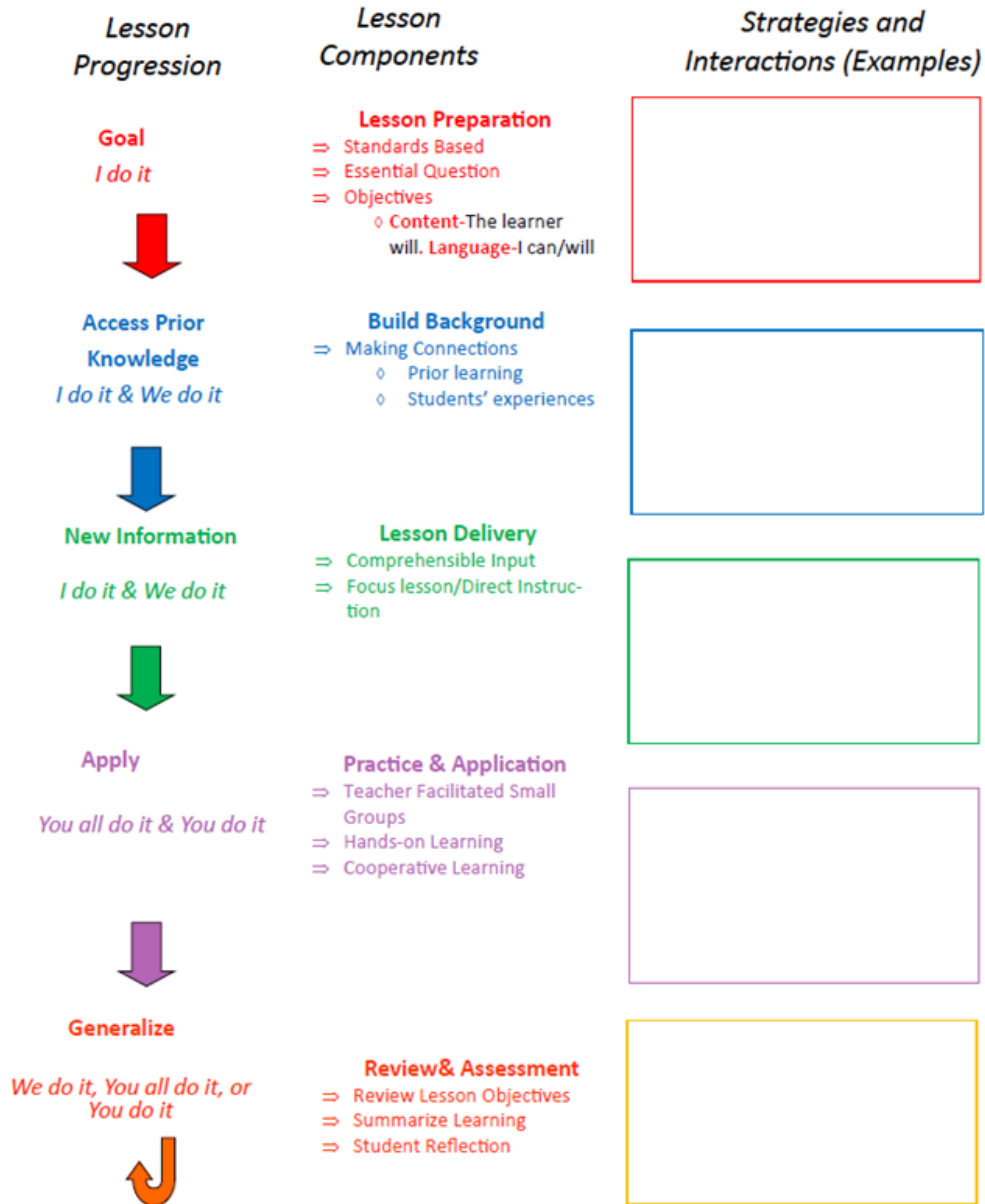
<https://newsela.com/>

Behavioral Supports

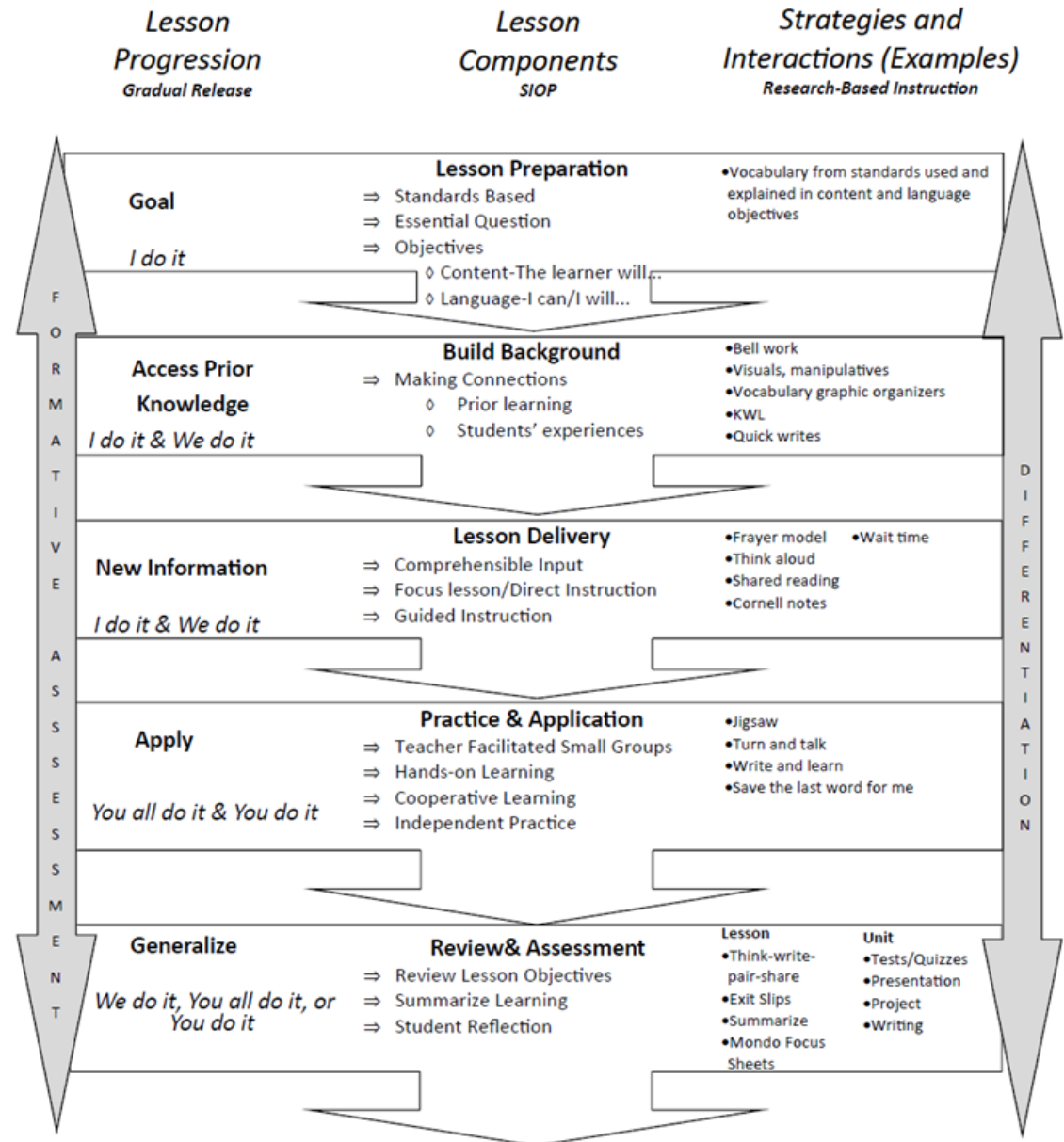
Visual Expectations



Instructional Model



Instructional Model



Today's Objectives

David's presentation on Vocabulary.

The learner will use various strategies to build background knowledge and academic vocabulary.

Learners will use vocabulary strategies to preteach content.

Learners will practice using Vocabulary Strategies

Students critical thinking will increase

Trivia

1. In 1848, a territorial convention that began the process of establishing Minnesota as a state was held in what city? [Hint: this city is known as the birthplace of MN]
2. & 3. I used to live in Osawatomie, KS; it is the only town by that name in the United States and probably in the world. It was created by combining two American Indian tribe names. Name both tribes.

