Using Foldables® in the Classroom

Dr. Michele R. Staples
TAMU-CC

What are Foldables®

3 dimensional

interactive

- Foldables® are 3-dimensional, interactive graphic organizers that were created by educator Dinah Zike over 30 years ago.
  - Students create interactive graphic organizers with main ideas to the front and supporting details to the back in order to interact with information to gain a better understanding of the content.

Foldables®

"Encourage student ownership of study material, provide a kinesthetic component to teaching strategies, and promote long-term retention of academic lessons" (Casteel & Narkawicz, 2006, p. 6)

Cognitive Strategy

"Foldables® would be considered a **cognitive learning strategy.**

Cognitive strategies are used to:

- Make specific connections between new and old learning
- Highlight important information while reading
- Chunk information into parts
- Classify and categorize information
- Etc.

STUDENT MADE STUDYGUIDES

GRAPHIC ORGANIZERS

STUDY GUIDES

"Foldables® result in student made study guides that are compiled as students listen for main ideas, read for main ideas or conduct research" (Casteel and Narkawicz).

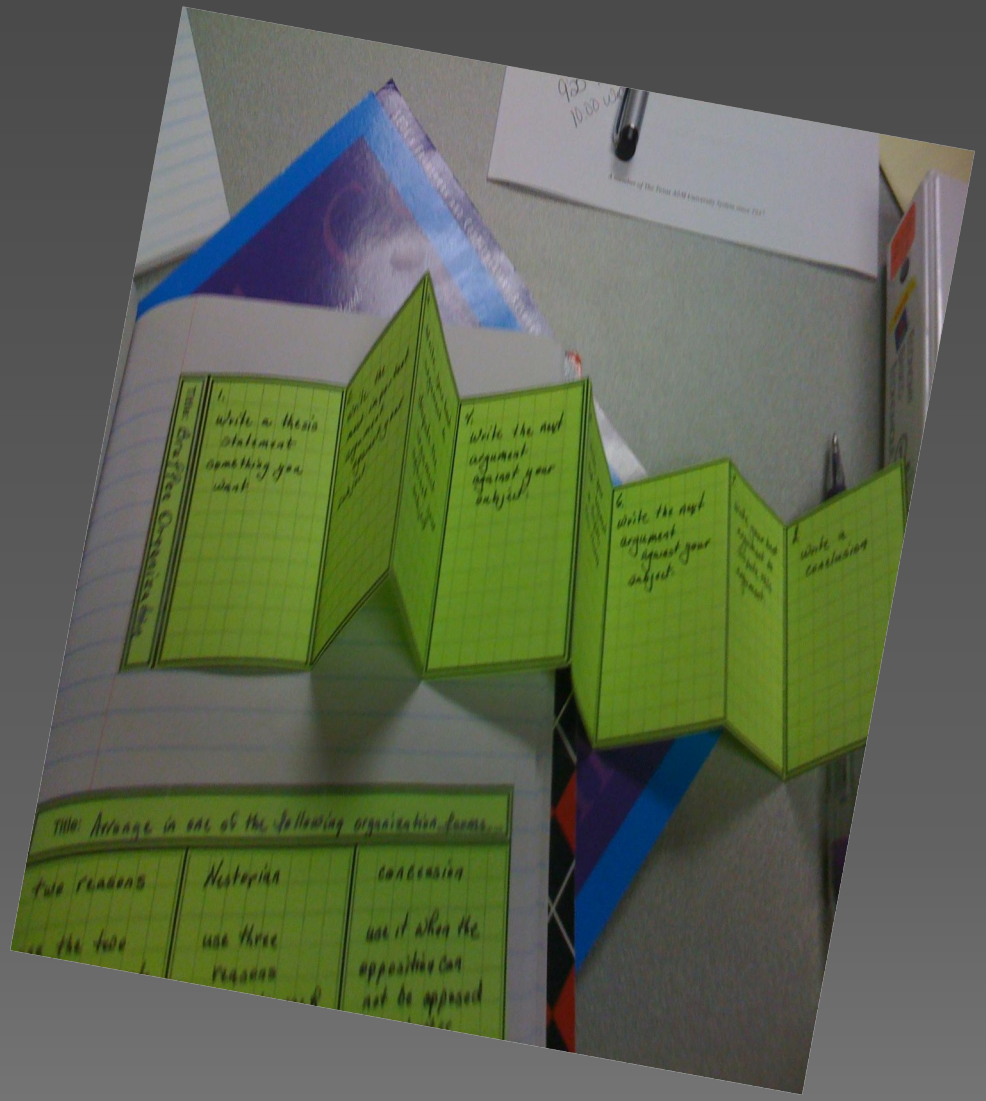
RESEARCH – WHY FOLDABLES® ?

- Abstract information in a Concrete Format
- Relationships made between facts and concepts
- New info is connected to previous knowledge
- Thoughts are organized for writing and problem solving

Worksheets Don't Grow Dendrites

According to Marcia Tate (2010) "The **Best Classrooms** are ones where students are actively engaged in the learning." She encourages teachers to use Graphic Organizers, Semantic Maps, and Word Webs to help facilitate active engagement.

Foldables®
Replace teacher generated writing with student generated writing.



ENGLISH LEARNERS

English Learners are able to use pictures and words

- Communicate with peers/teacher
- Help organize information
- Connect new material to prior knowledge
- Show complex relationships
- Clarify concepts with few words
- Convey ideas and understanding
- Provide a visual summary of information

(Tate, 2010)

Research States…

Graphic organizers represent a form of nonlinguistic representation and are one of the most popular ways teachers can have students represent the knowledge that they have experienced. (Marzano, 2007, P.52)

Research states…

Graphic organizers enable English Learners to organize words and ideas in a way that helps them see patterns and relationships in …(Coggins, Kravin, Coates, & Carrol, 2007).

At risk students often do not learn words **indirectly** because:

- They don't engage in conversation as often
- They don't alert to new or interesting words
- They often don't listen carefully when read to
- They usually don't read on their own

We **MUST** find ways for students to interact with words.

With the Brain in Mind…

Graphic organizers address both the right and left hemispheres of the brain, benefiting all students. The left hemispheres can add the language information and the right hemispheres can illustrate the major concepts (Jensen, 2007).

ELPS –

Learning Strategies 1.C - Use strategic learning techniques such as concept mapping, drawing, memorizing, comparing, contrasting, and reviewing to acquire basic and grade-level vocabulary.

Listening 2.C - Learn new language structures, expressions, and basic and academic vocabulary heard during classroom instruction and interactions.

Speaking 3.D - Speak using grade-level content area vocabulary in context to internalize new English words and build academic language proficiency.

Writing 5.B - Write using newly acquired basic vocabulary and content-based grade-level vocabulary

Strategy Teaching

Foldables are considered to be a teaching strategy.

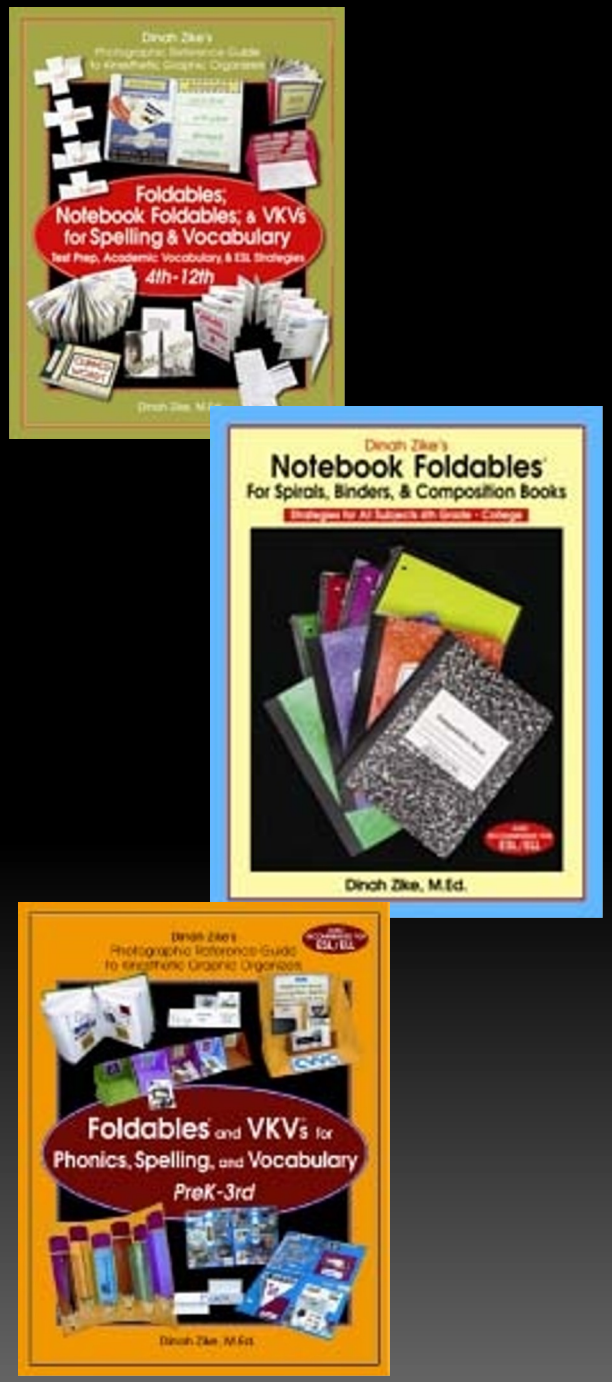
- *Teaching Strategies must be taught.*
- *Teaching Strategies must be reinforced.*

Strategy Teaching in Five Steps

- ***Introduce*** the strategy
- ***Identify*** the strategy by name and explain its use
- ***Demonstrate*** how it is to be used
- Give students time and opportunity for ***practice***
- ***Discuss*** effectiveness and application to other tasks.

ELL Teachers can Adapt Foldables to Fit…

- SQ4R – Survey-Question – Read-Recite-Record-Review.
- PARS – Preview – Question – Read – Summarize
- STAR – Stop – Think –Act – Review
- KWL+
- ETC.



- Dinah Zike's two latest books, *Notebook Foldables®* and *Foldables®, Notebook Foldables®, & VKV®s for Spelling and Vocabulary 4th - 12th* have been judged top classroom picks in the 17th annual Learning magazine Teachers' Choice Awards.

- http://www.dinah.com/

Foldables® and Examples

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MATERIALS NEEDED

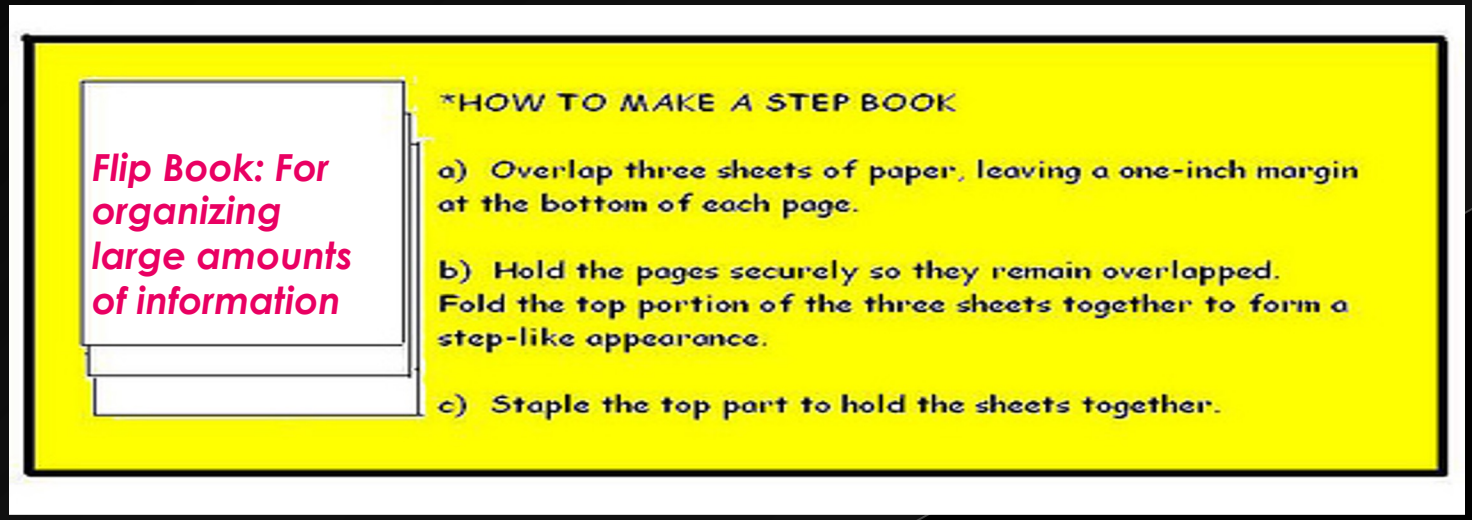
Colored paper

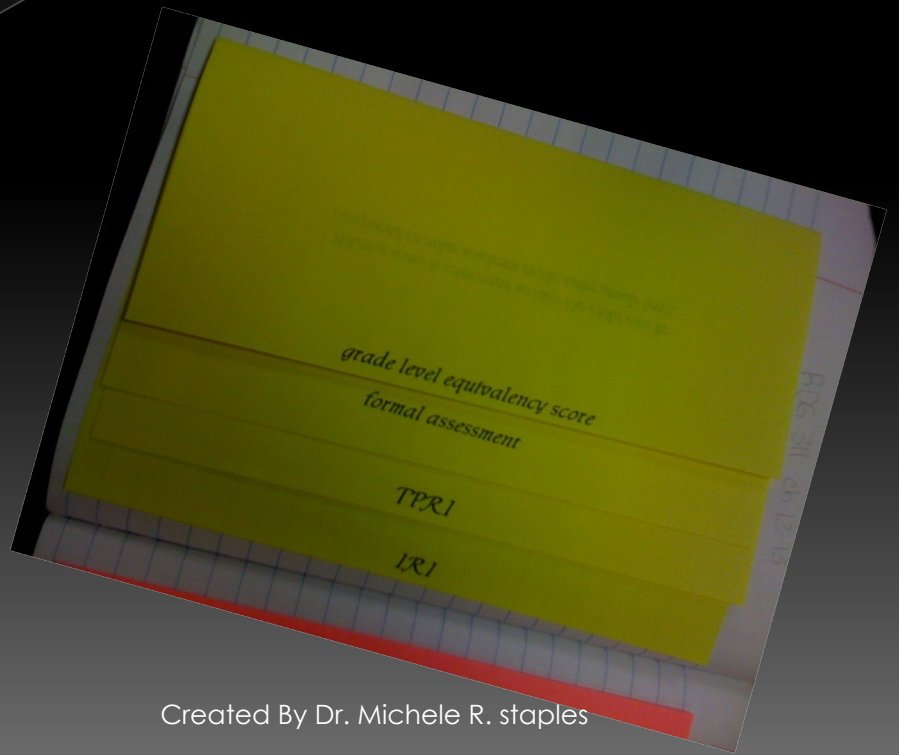
scissors

Glue

STAPLES

Step Book





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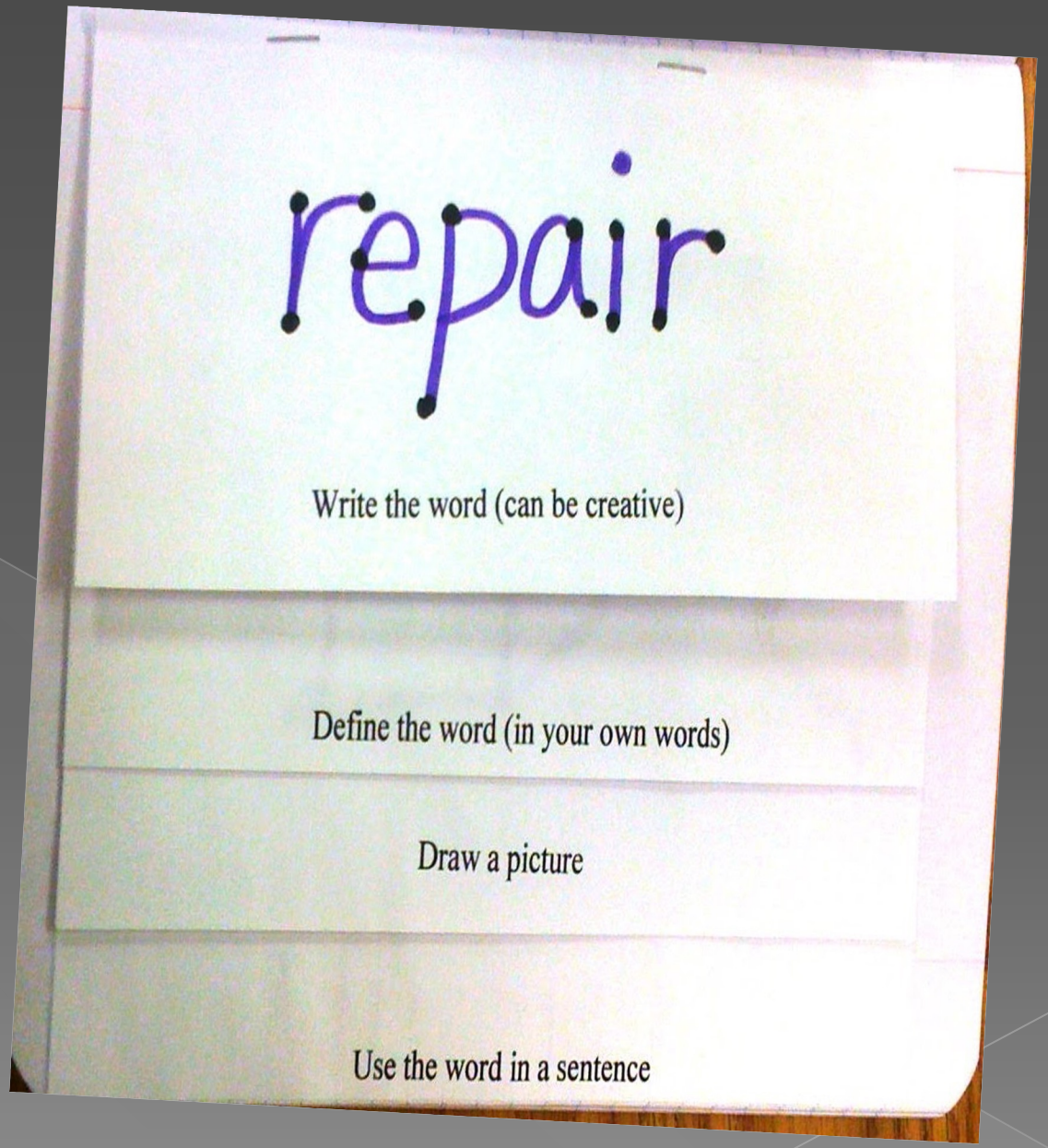
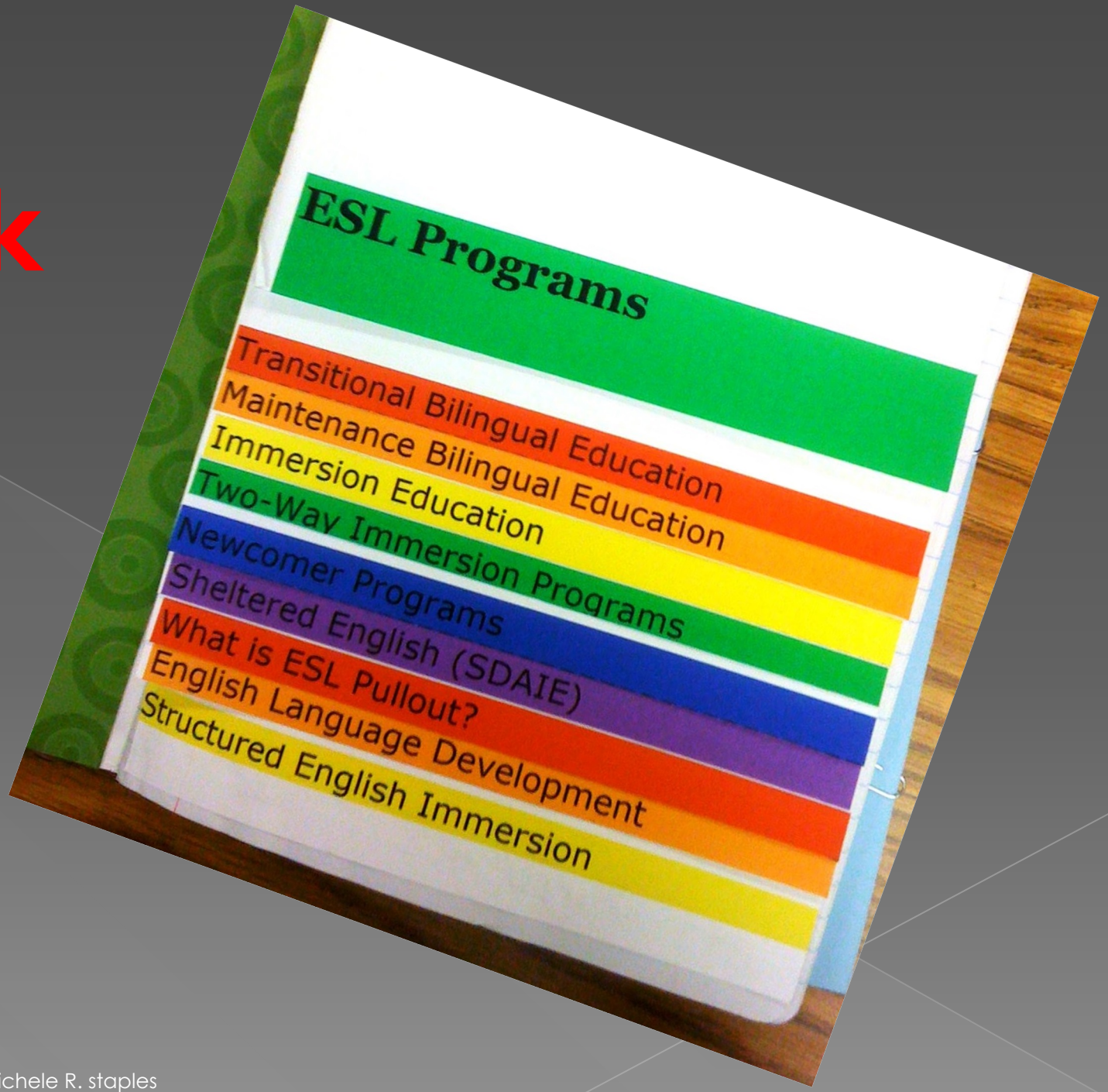
Vocabulary Strategy



Layered Step Book



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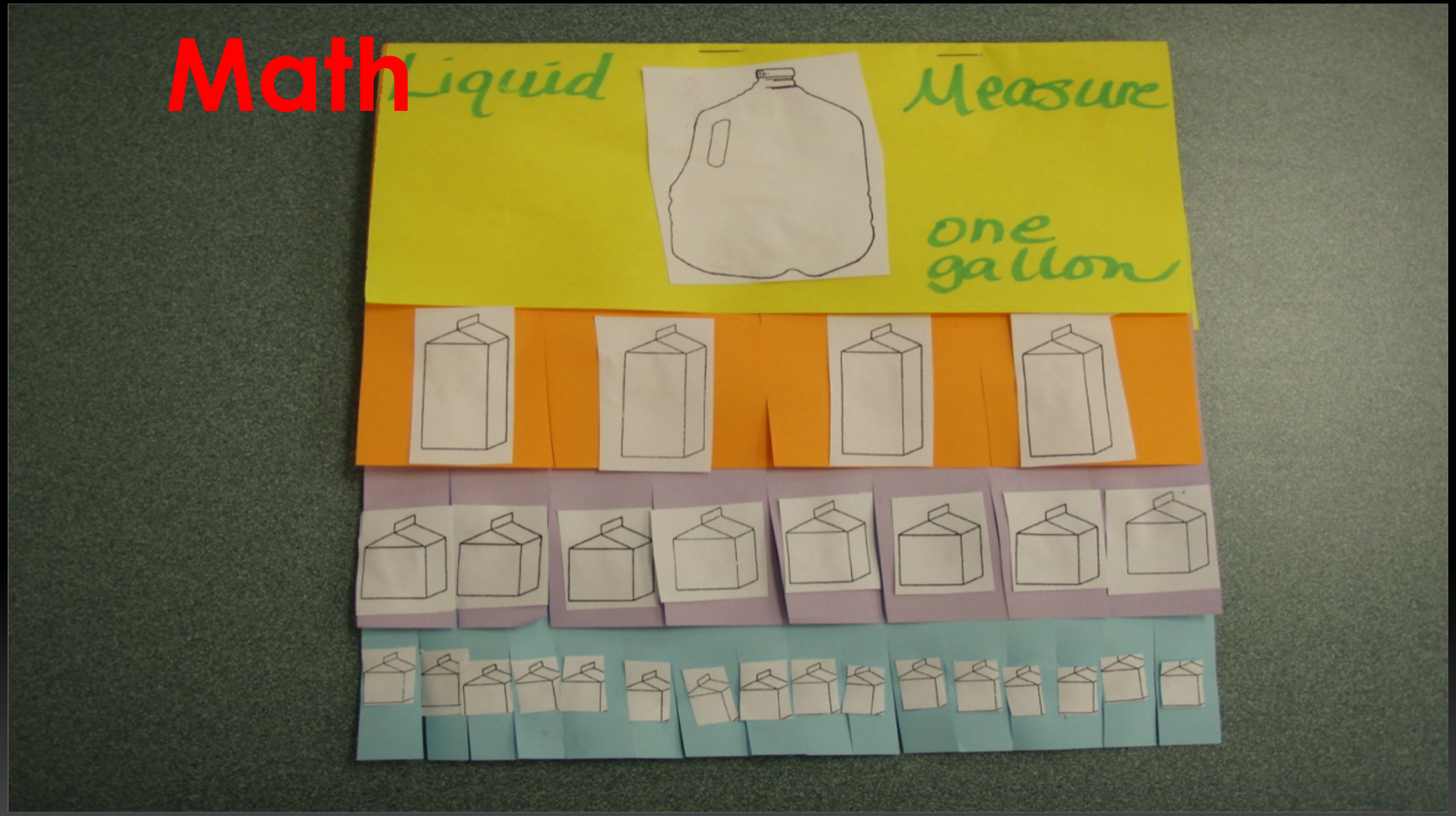
Math



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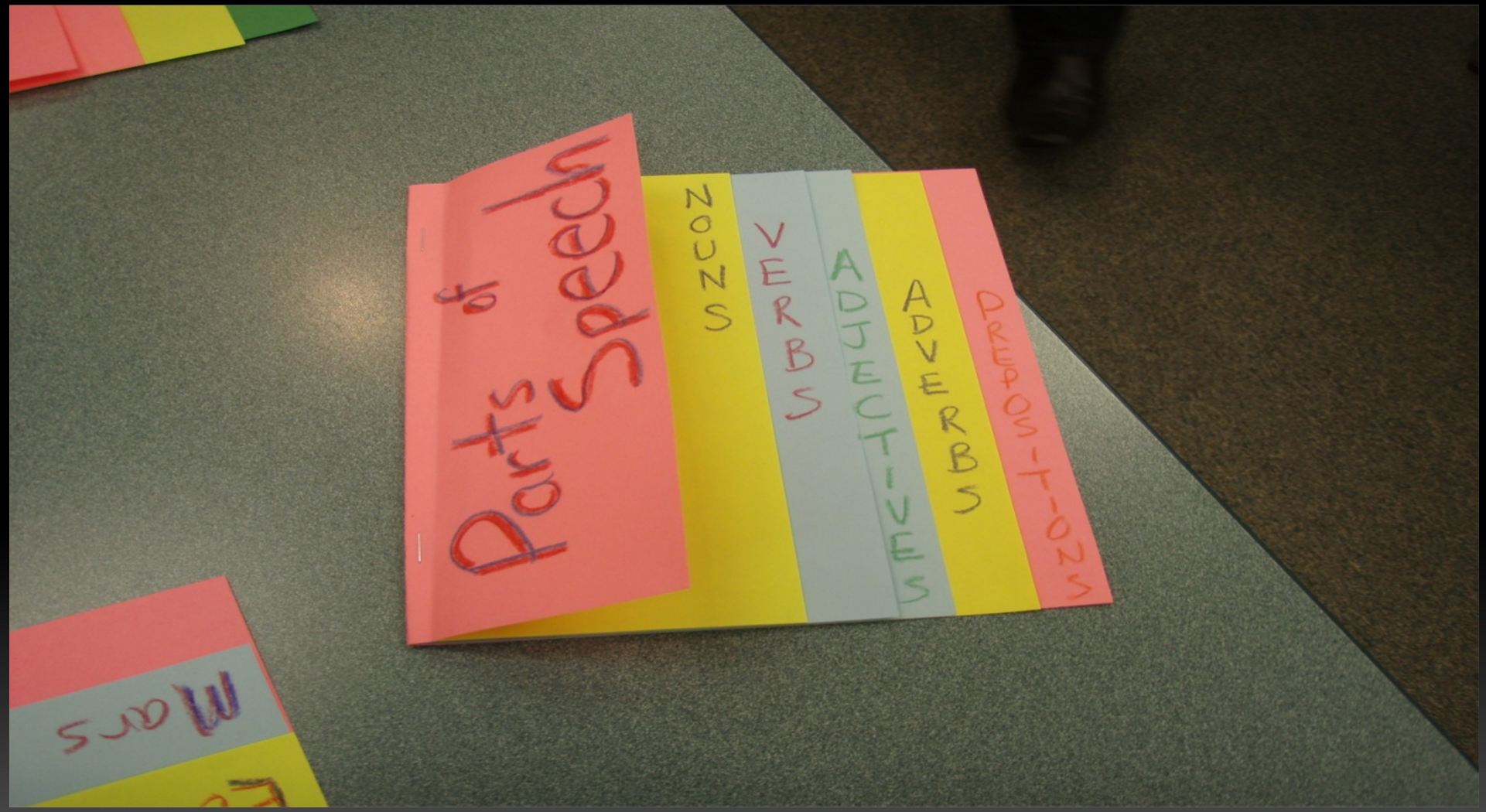
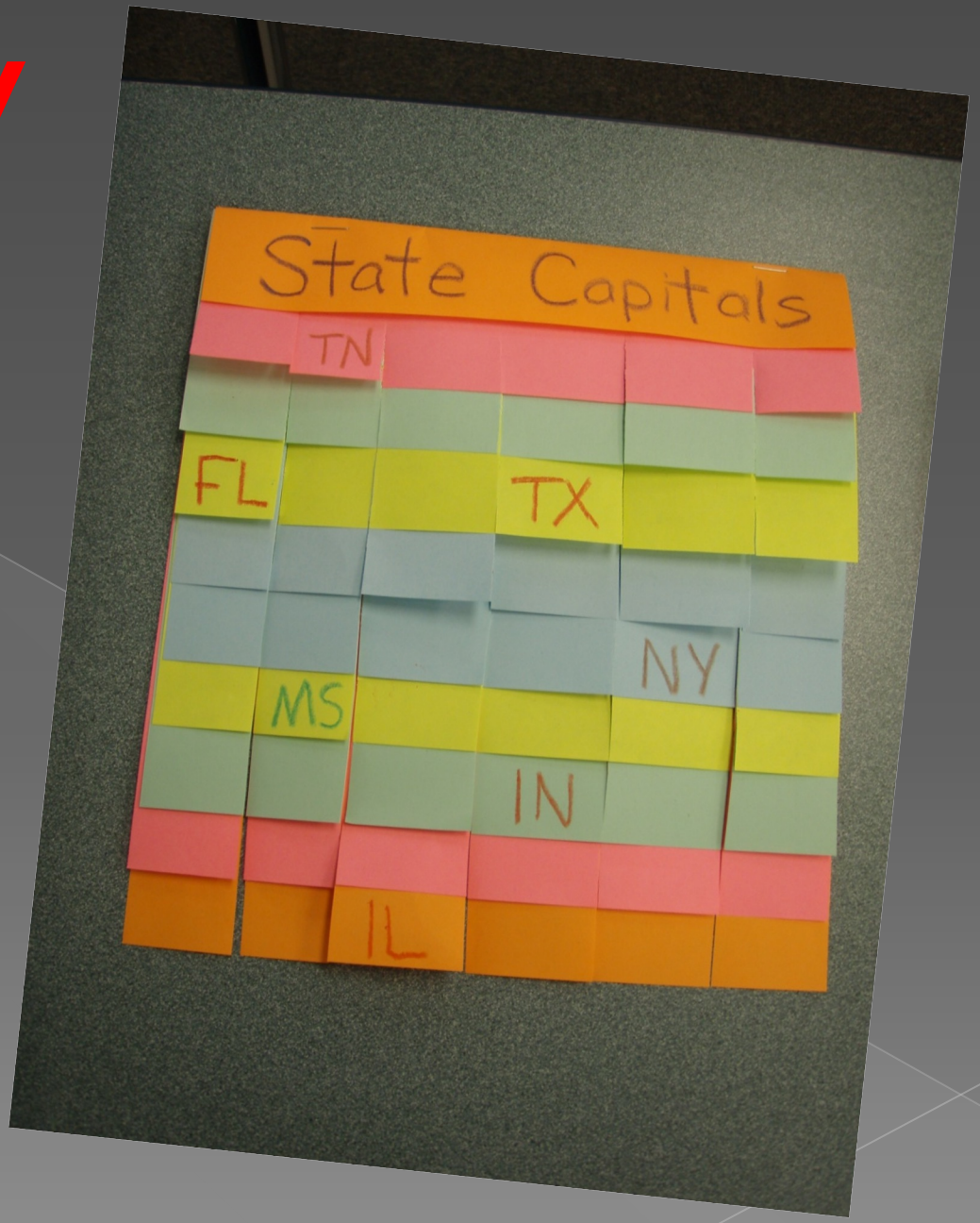
Grammar



Geography



Science

Solar System
Mercury
Venus
Earth
Mars
Jupiter
Saturn
Uranus
Neptune
Parts

TABBED STEP BOOK

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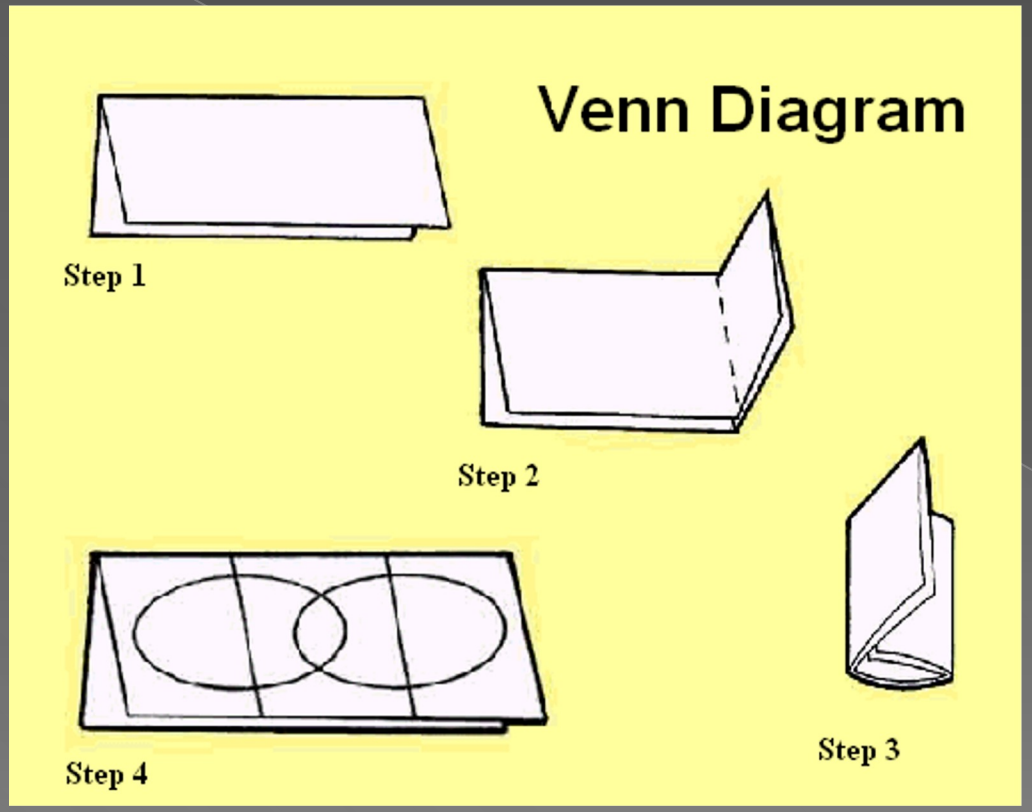
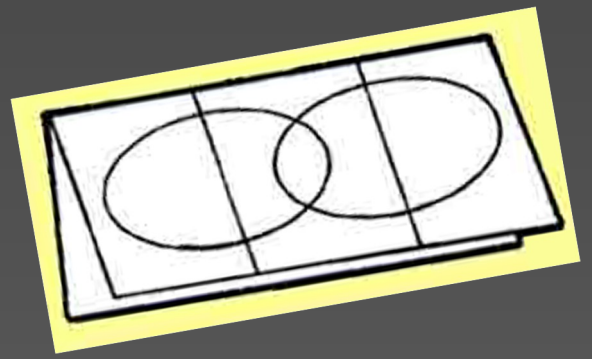
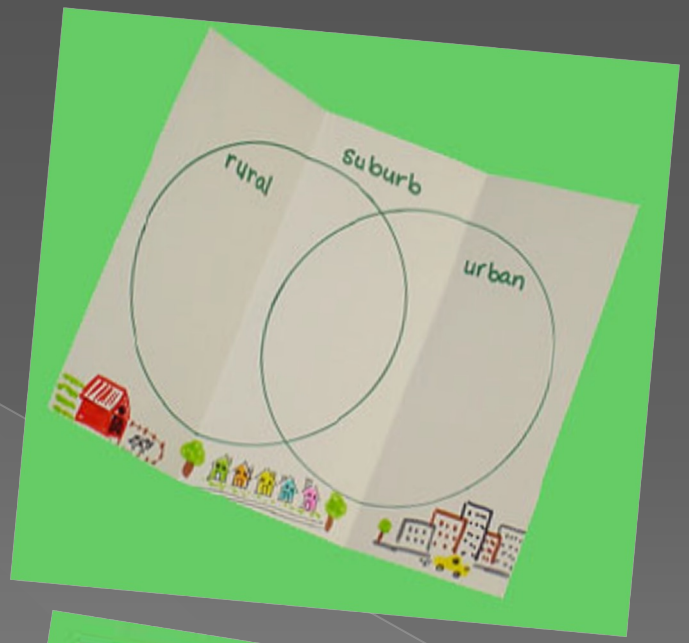
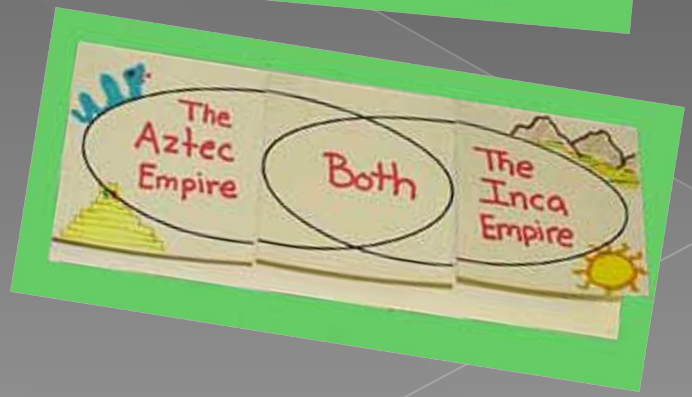
Venn Diagrams

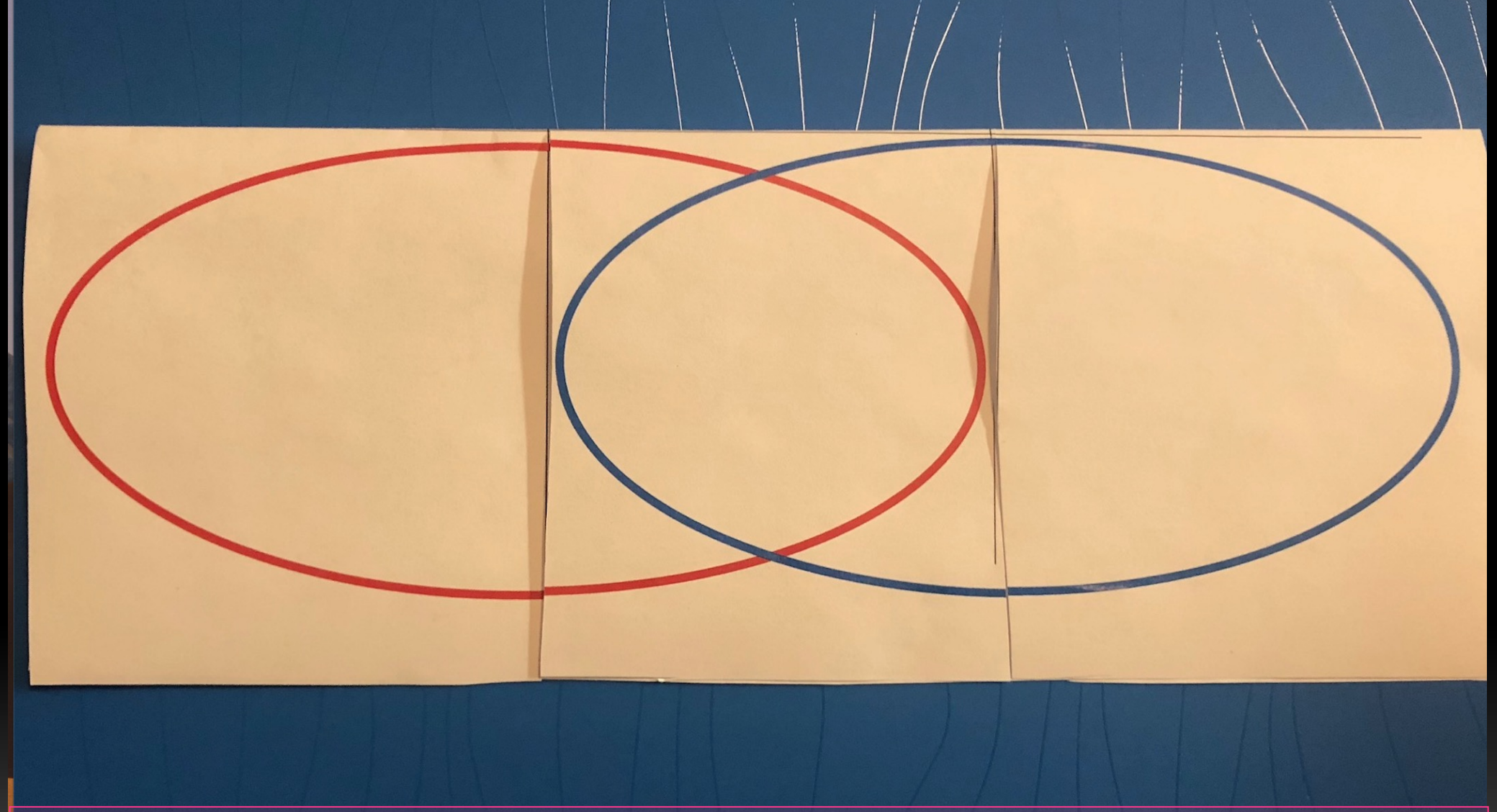






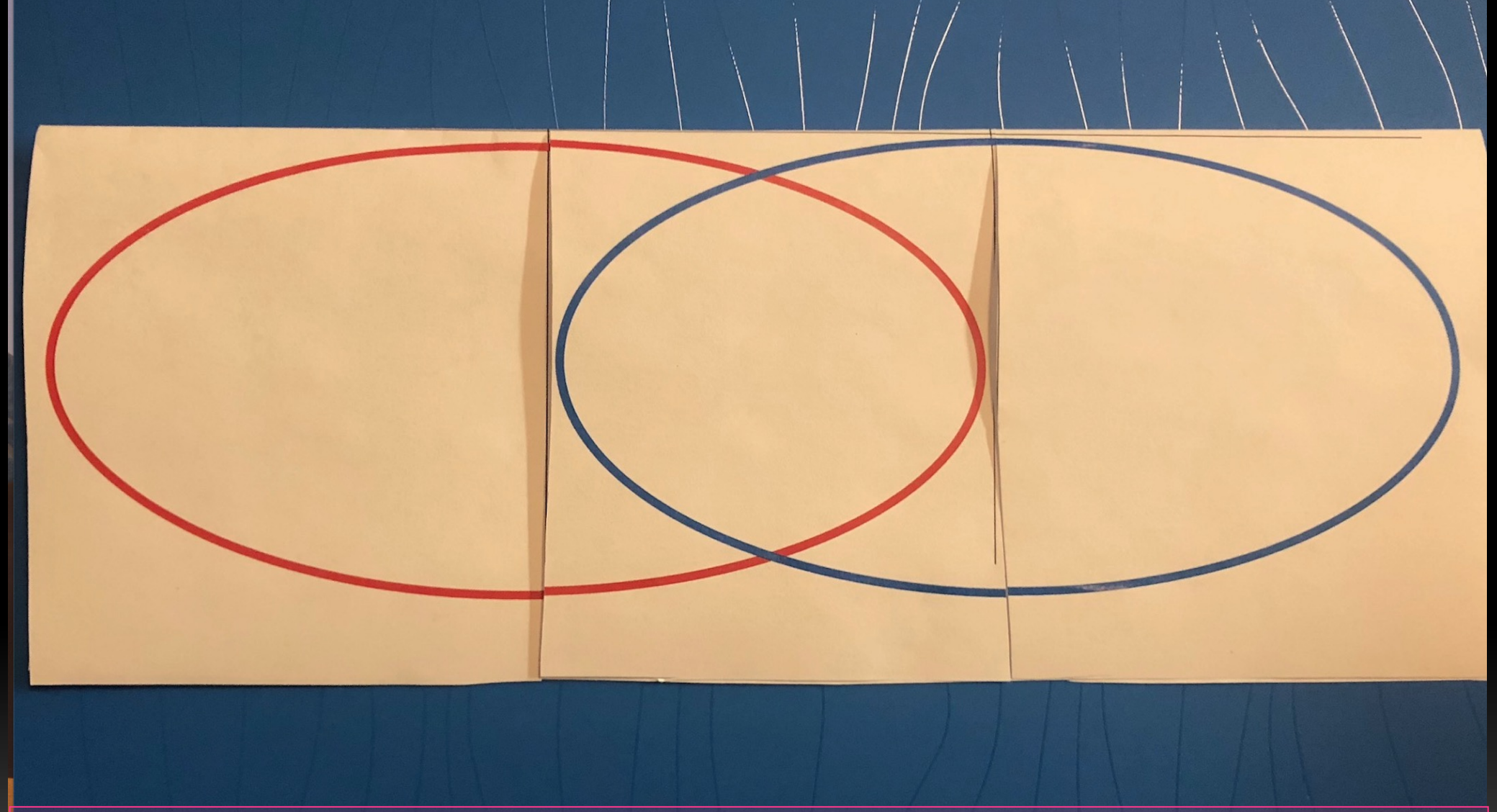


Venn Diagram Foldable



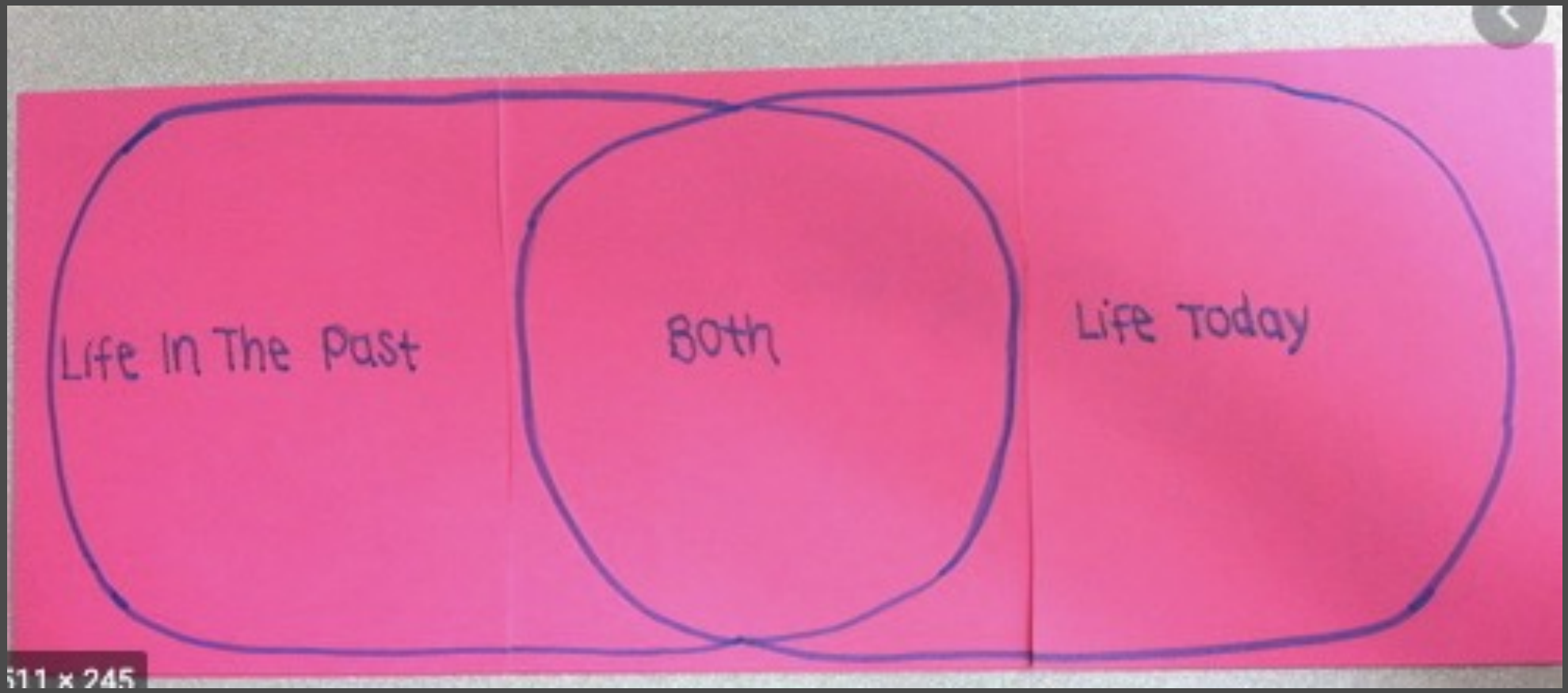
Let's make this foldable.
There is a template in your folder.

Venn Diagram Foldable

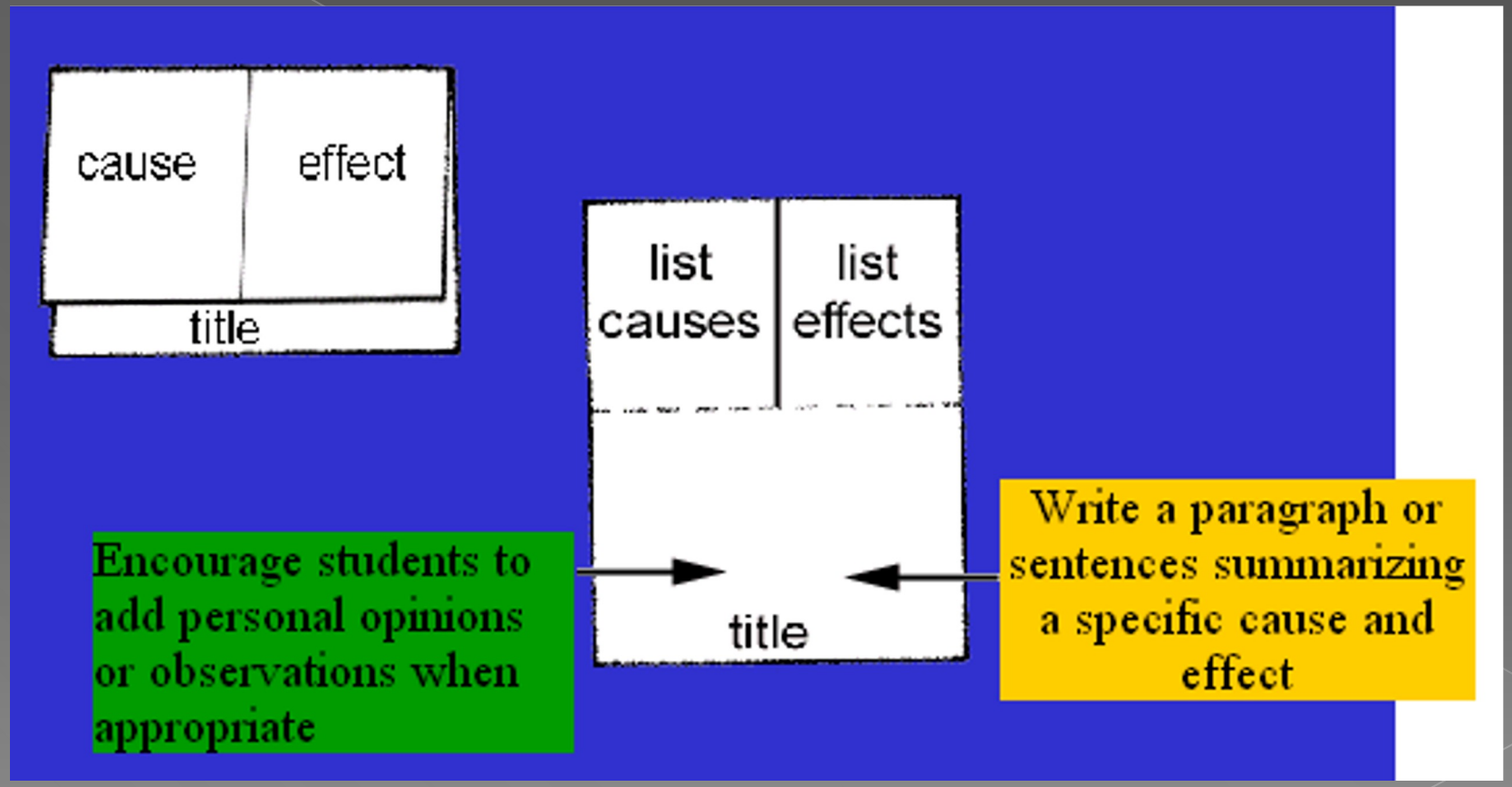


Brainstorm with your tables how you can use this Venn Diagram Foldable.

Venn Diagram Example

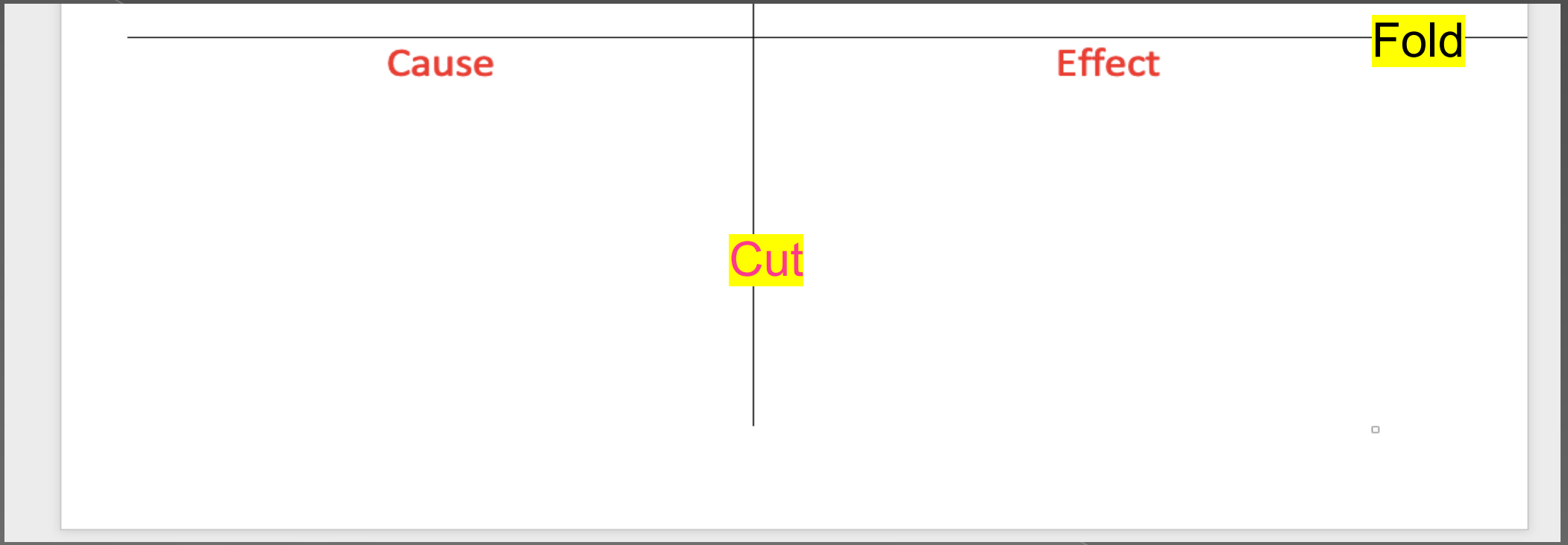


Students can Use Foldables® to Illustrate Cause and Effect



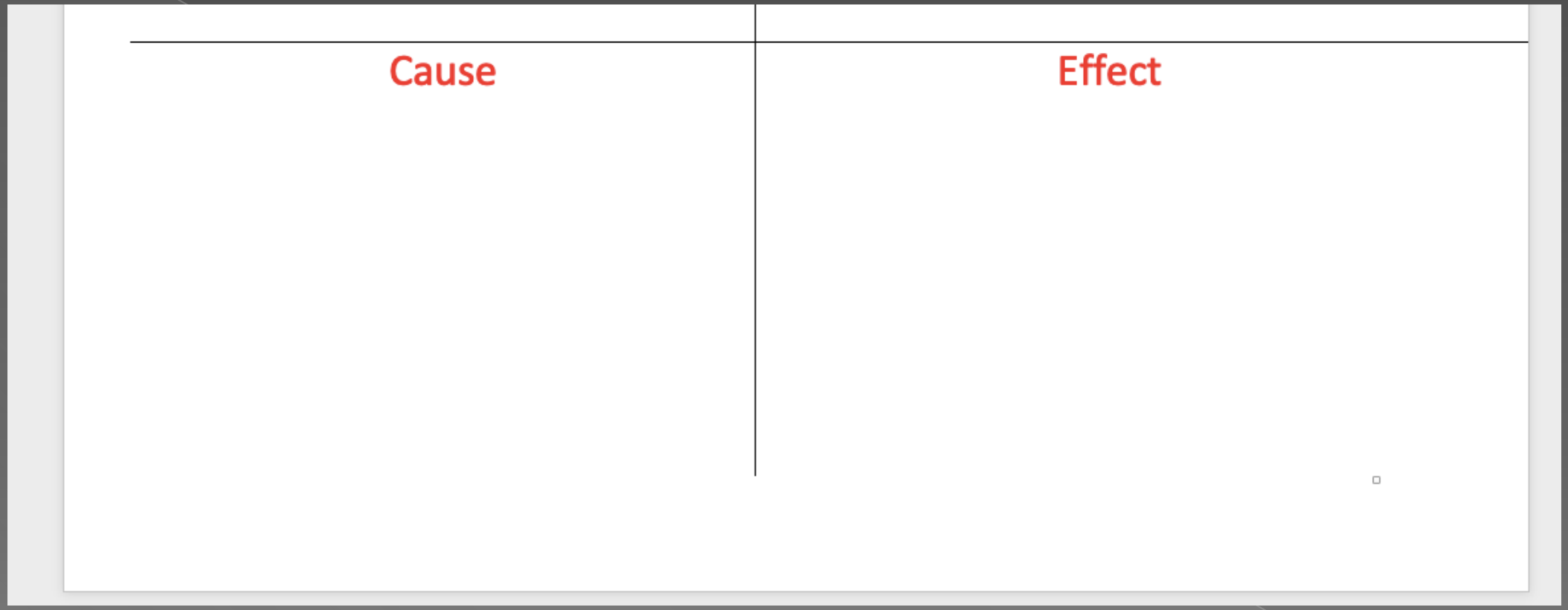
http://www.dinah.com/

Cause and Effect Two Tab Foldable



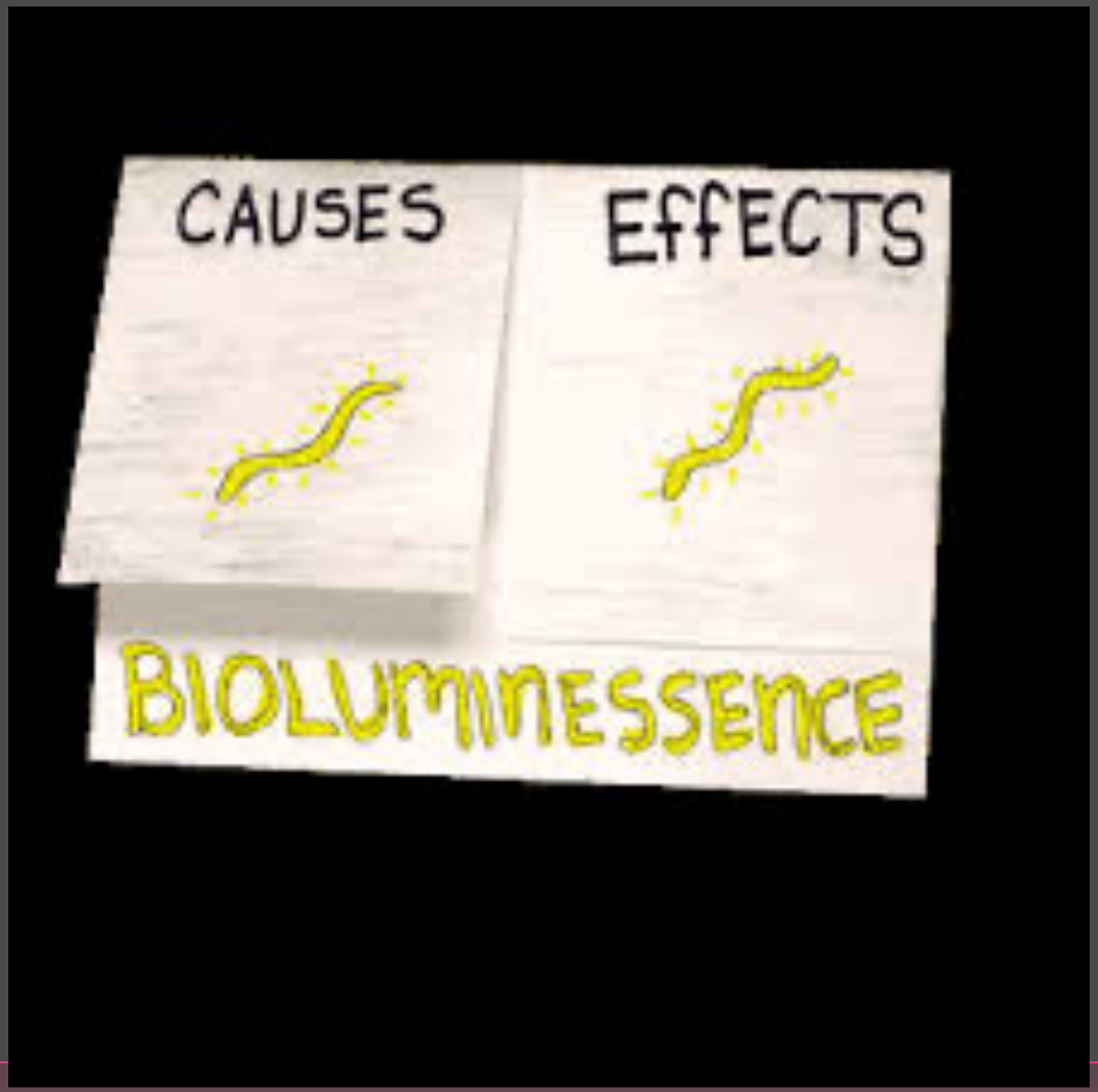
- Let's make this foldable.
- There is a template in your folder.
  - Fold paper in half. Cut on middle like until you get to the fold.

Cause and Effect Two Tab Foldable

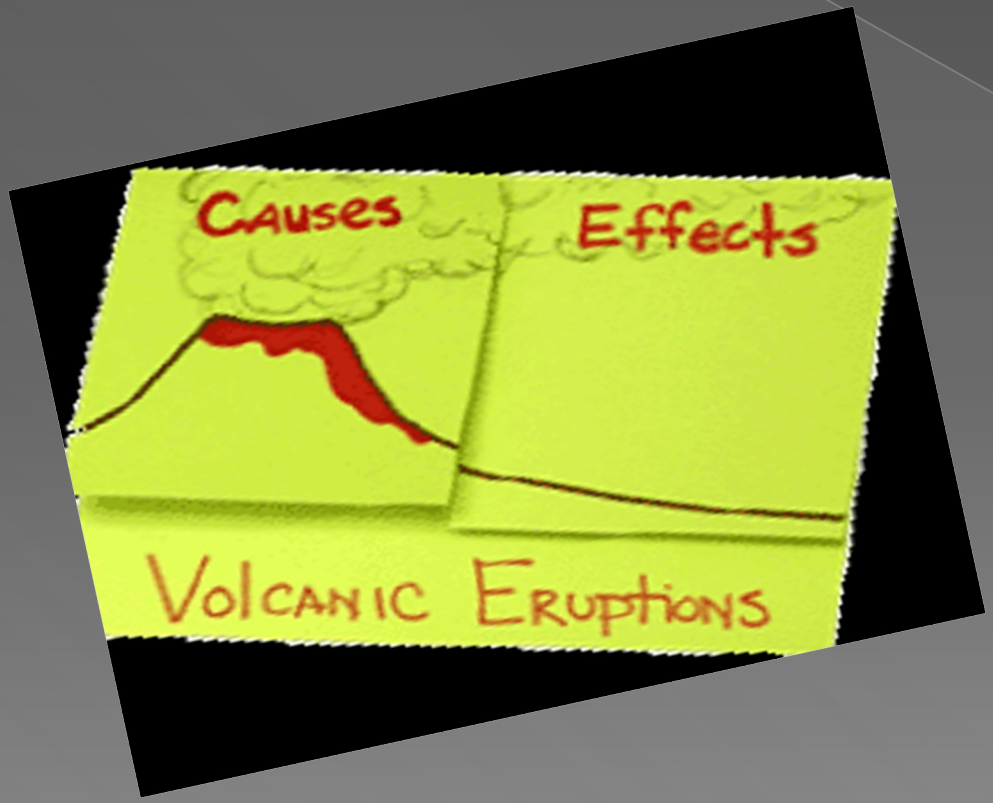


- How would you use this foldable in your classroom?

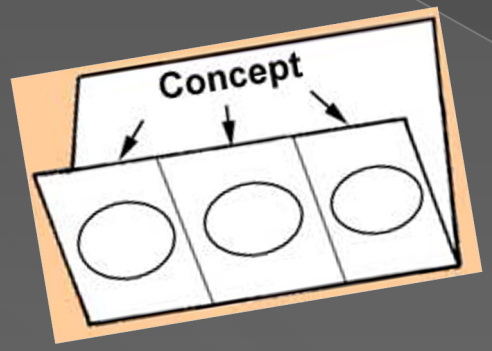
Cause and Effect Example

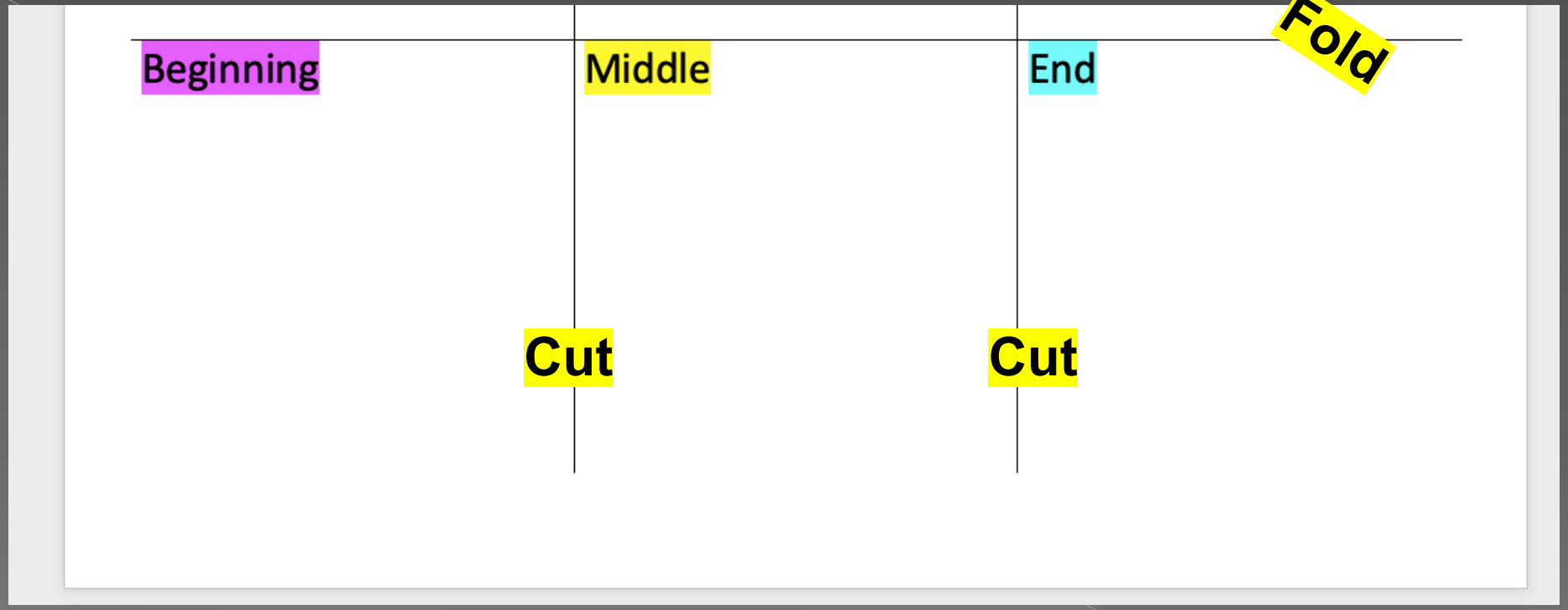


Cause and Effect Examples



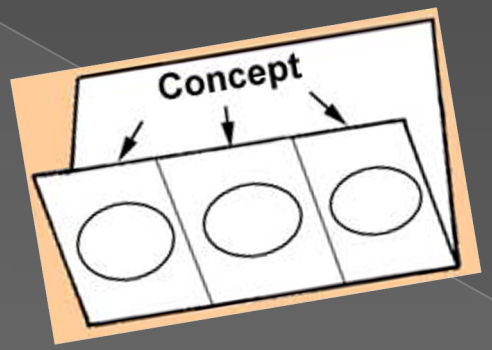
Three Tab – Beginning – Middle - End

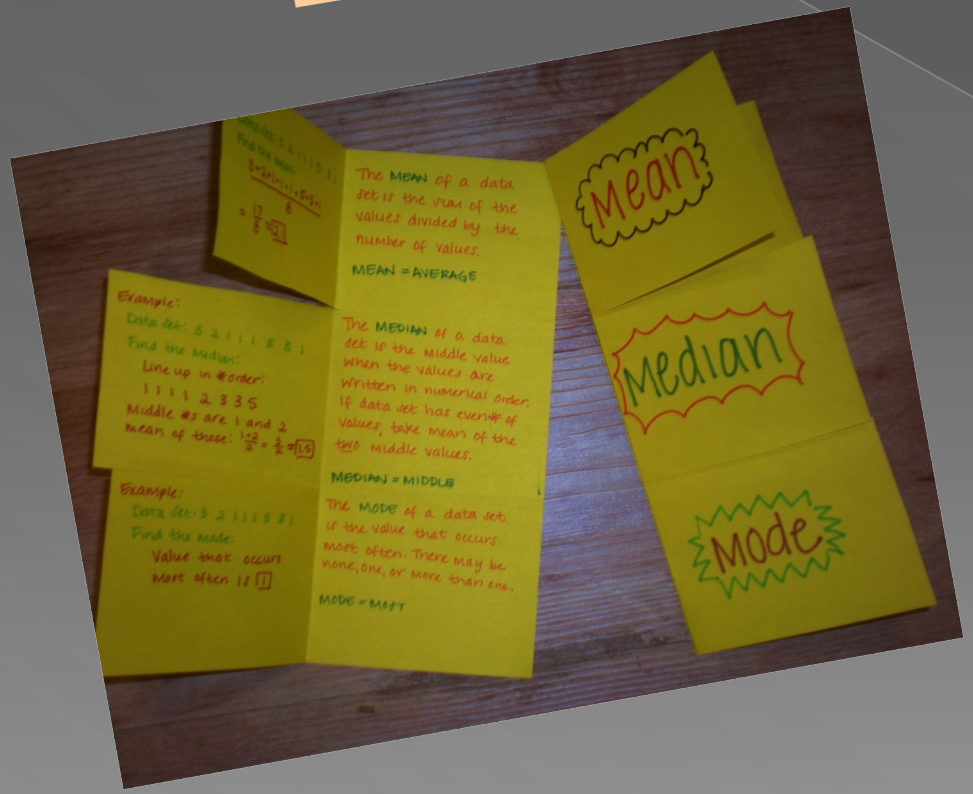




- Let's make this foldable.
- There is a template in your folder.
- Fold paper in half. Cut on middle like until you get to the fold.

A Three Tab





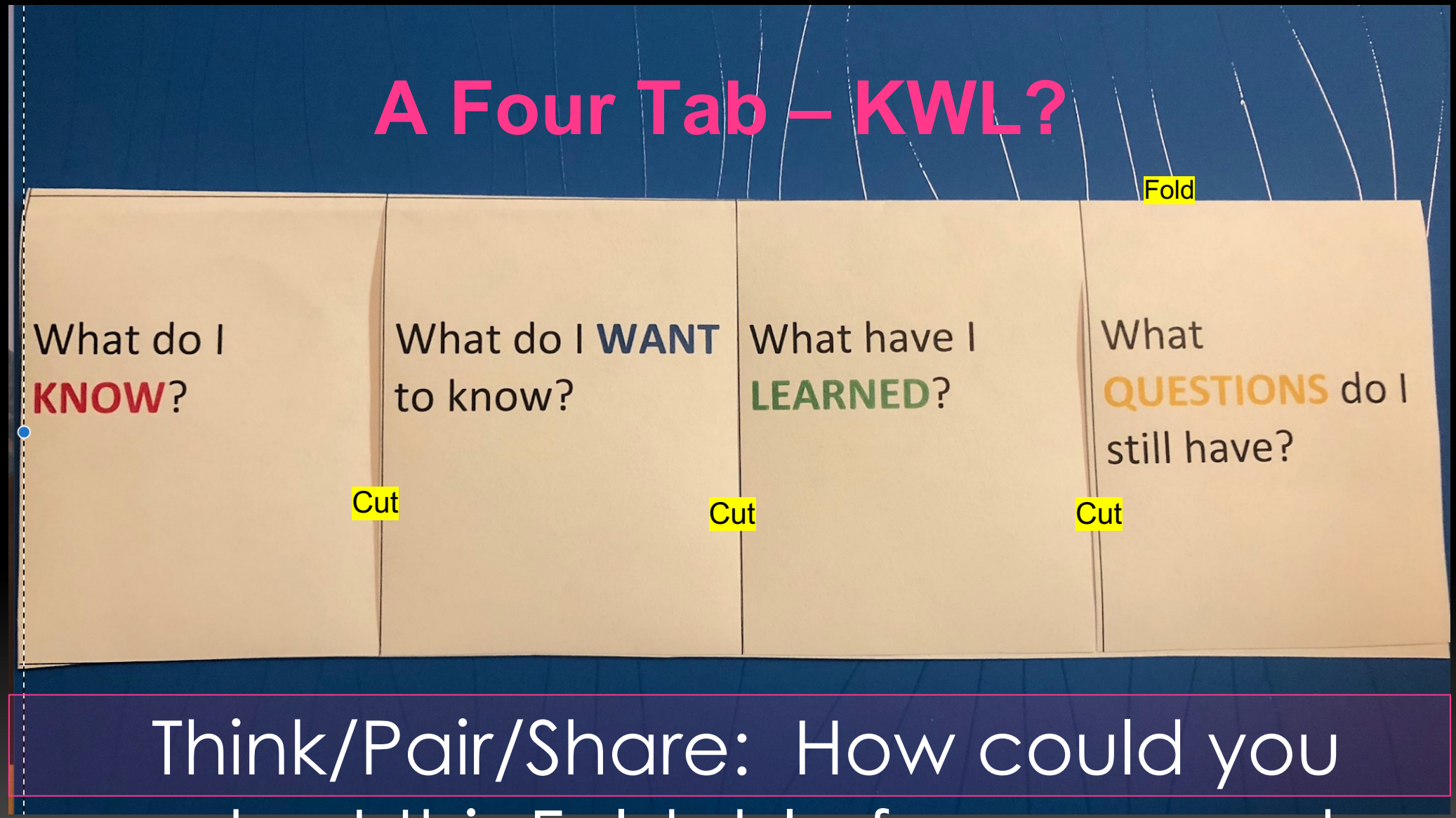
Great for any concepts with Three:

- Beginning, Middle, end
- First, next, last
- Character, Setting, Problem & Solution
- Etc.

You can also make Four Tab, Five Tab, Six Tab, etc….

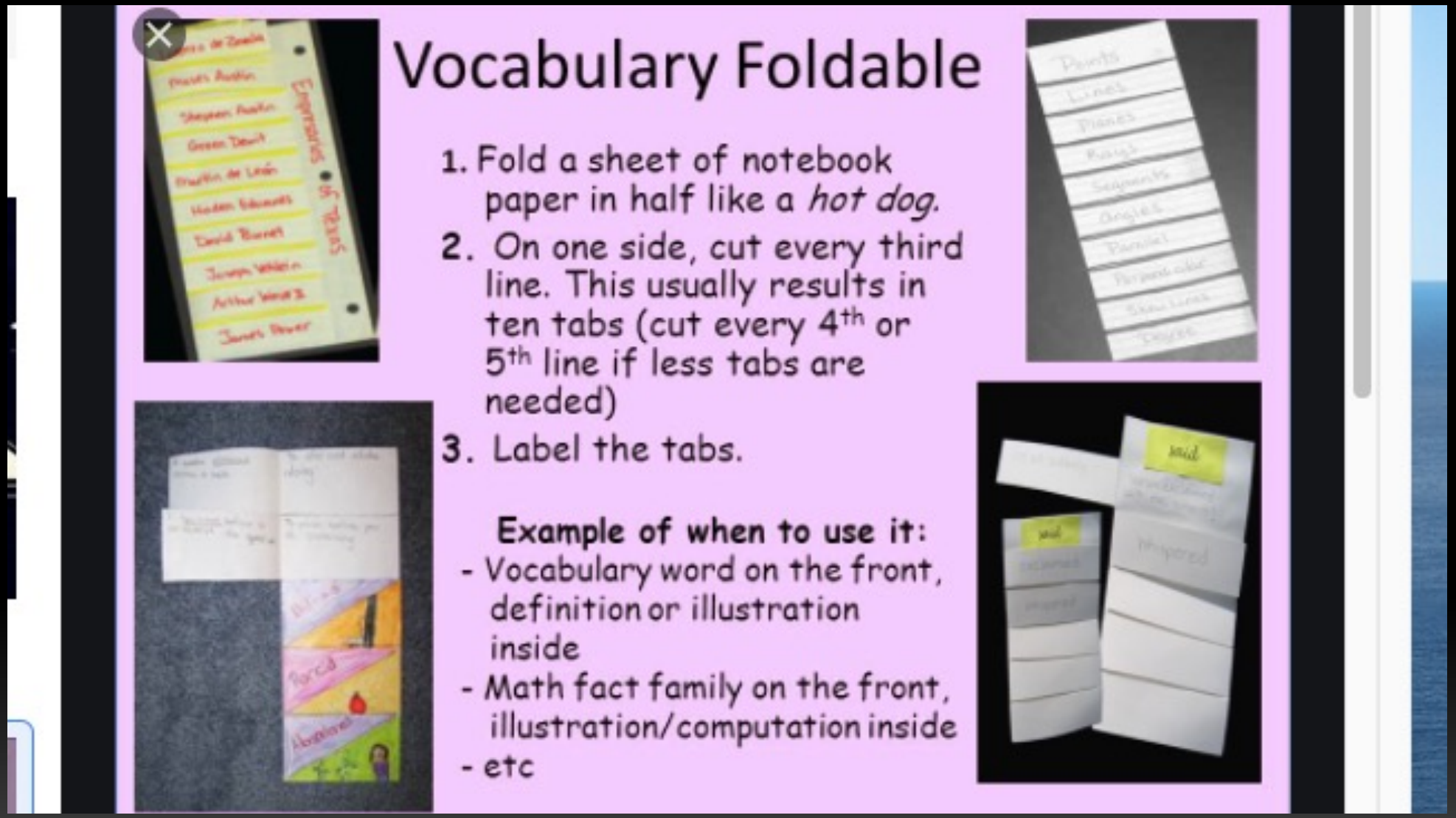
KWL?

A Four Tab – KWL?



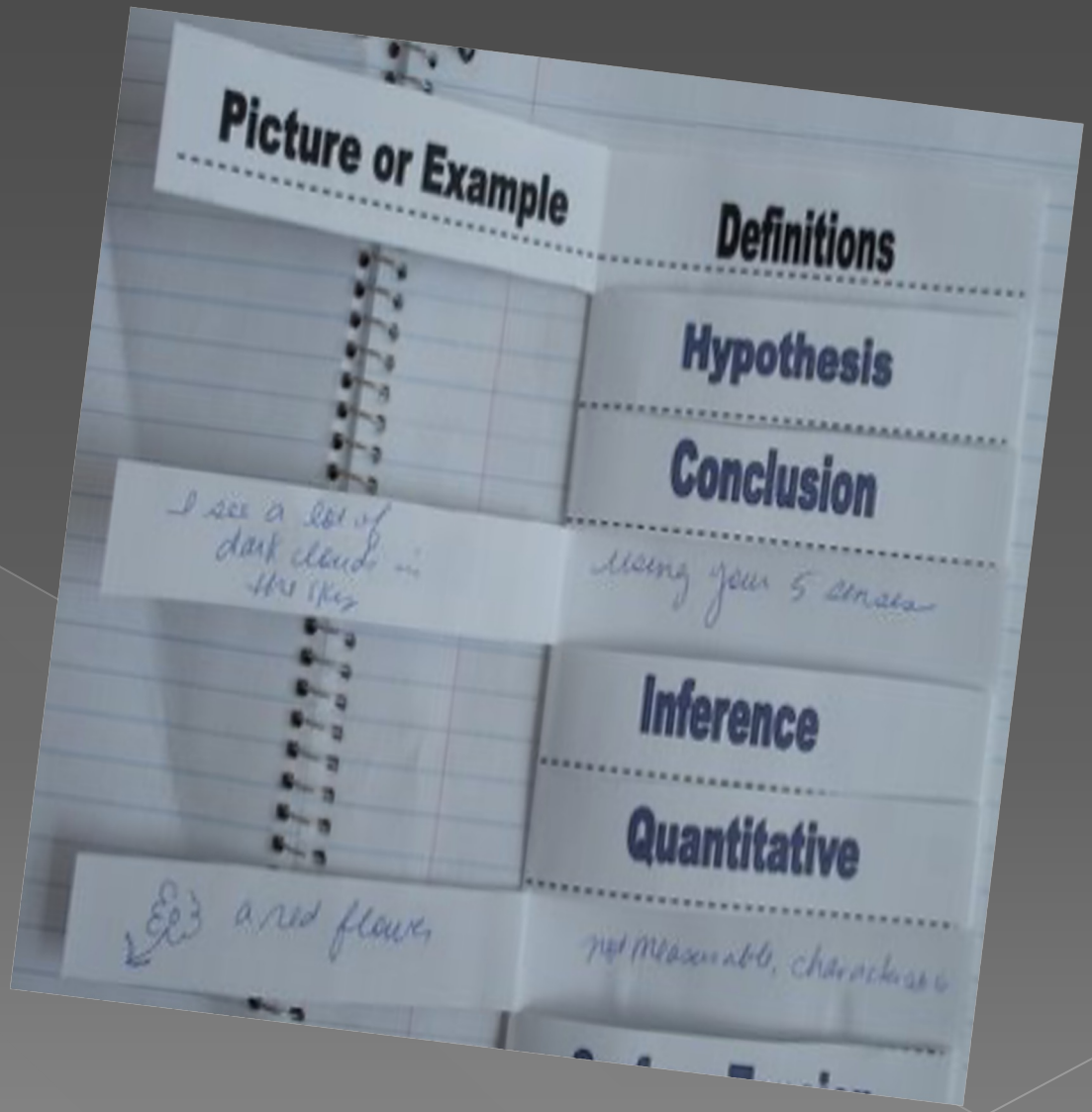
Think/Pair/Share: How could you adapt this Foldable for your grade level and content area?

Multi-Tab Foldables

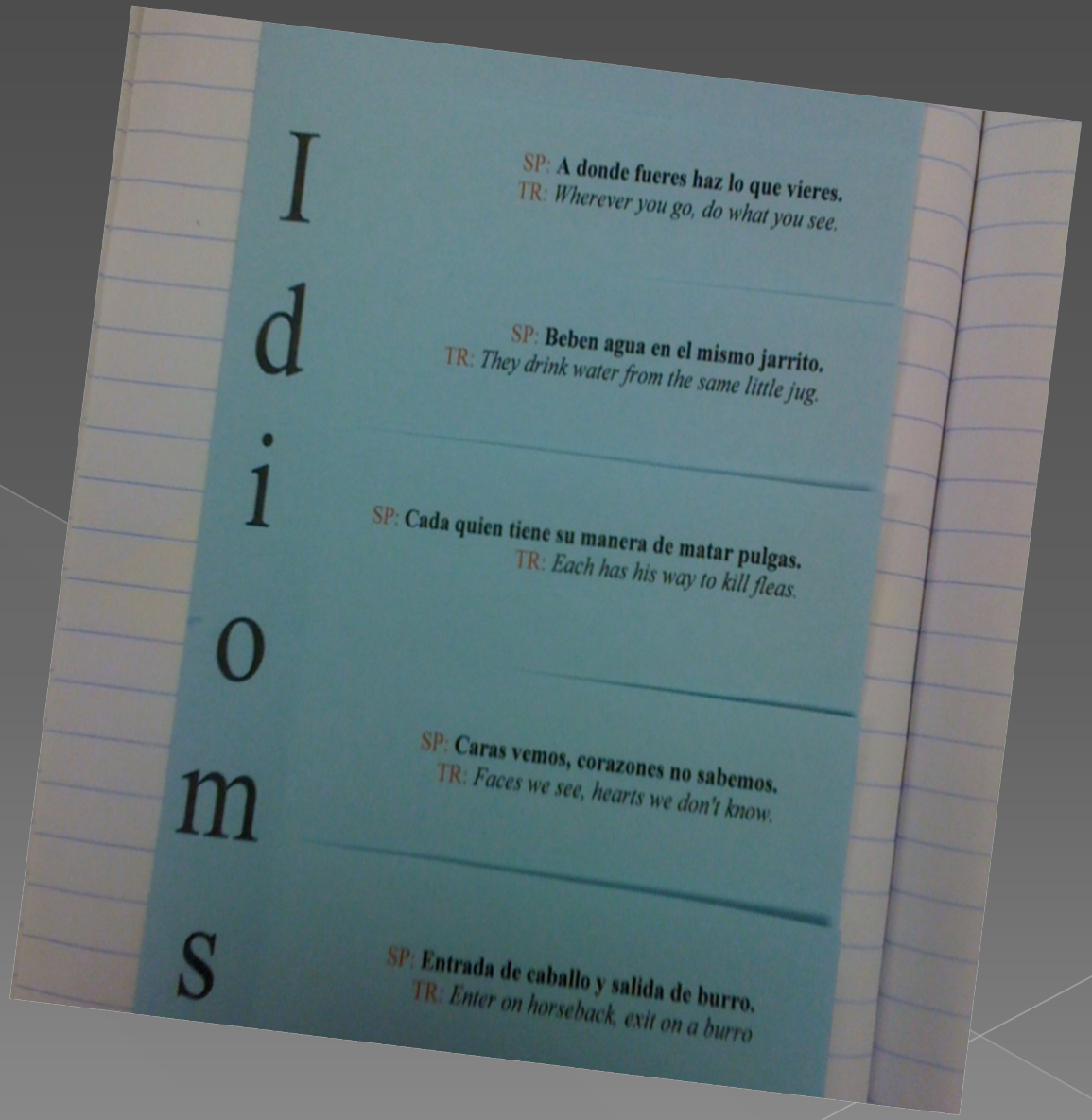


My Favorite Foldable to use with students!

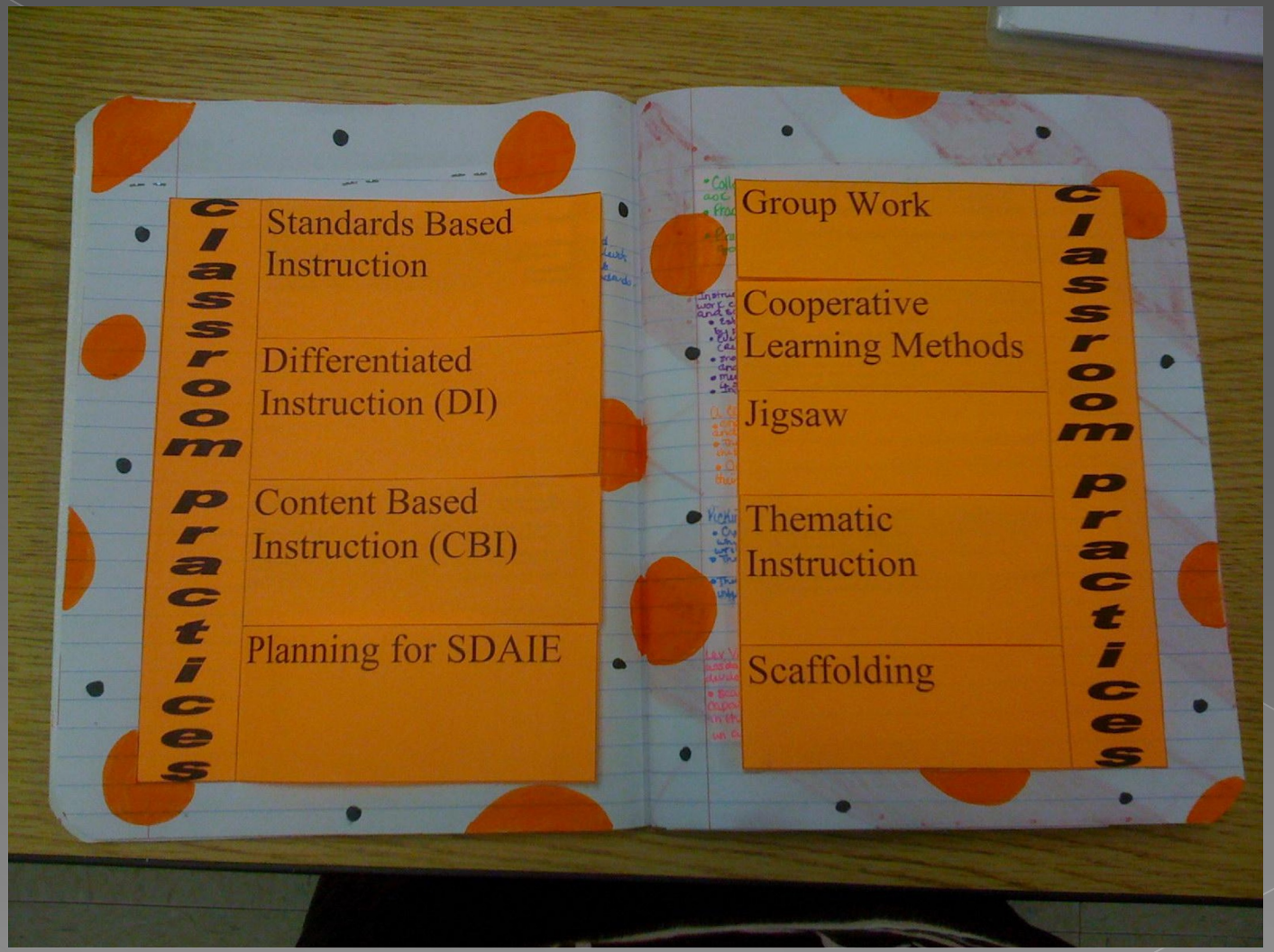
Tab Book with Science Definitions



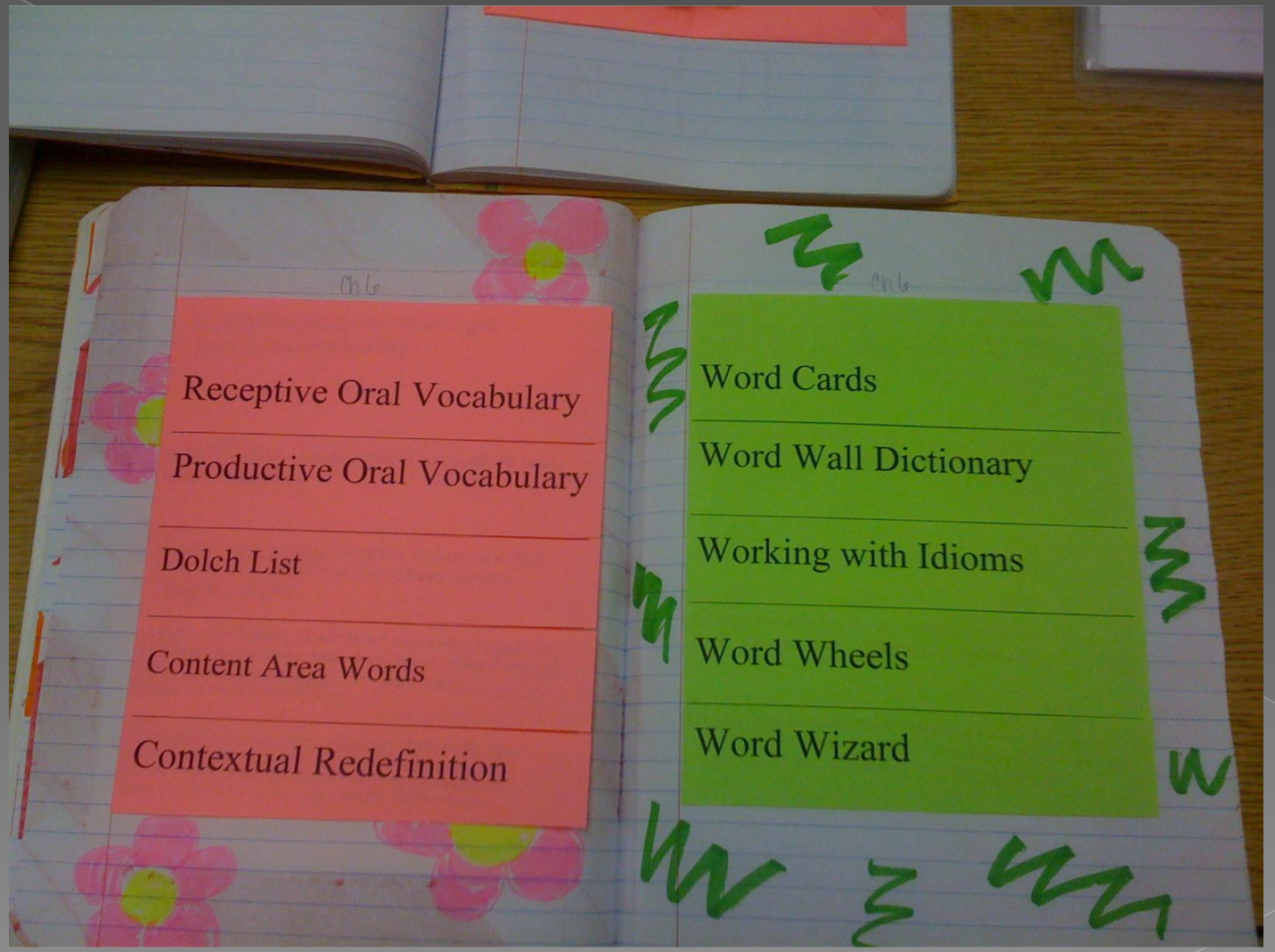
Tab Book with Idioms



Tab Book / Classroom Practices

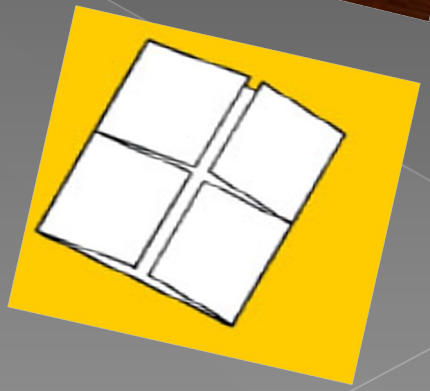


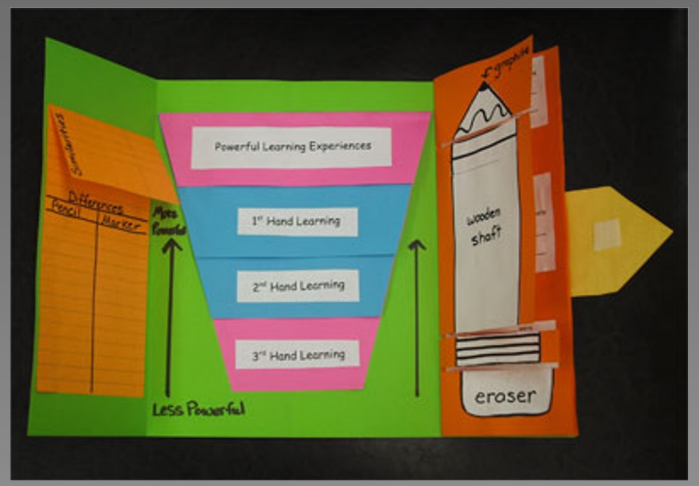
Tab Book / Education Content



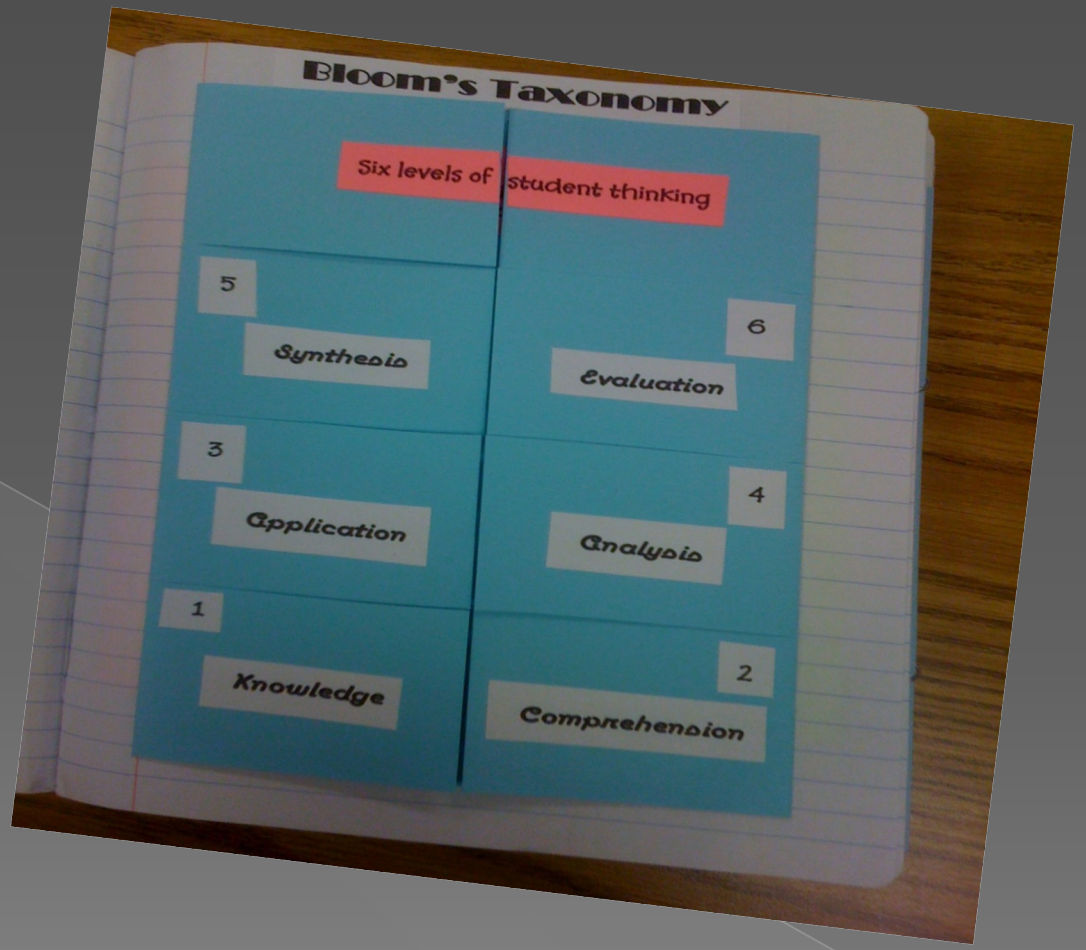
Shutter Folds

- Begin as if you were going to make a hamburger but instead of the creasing the paper, pinch to show the midpoint.
- Fold the outer edges of the paper to meet at the pinch, or mid-point, forming a shutter fold.

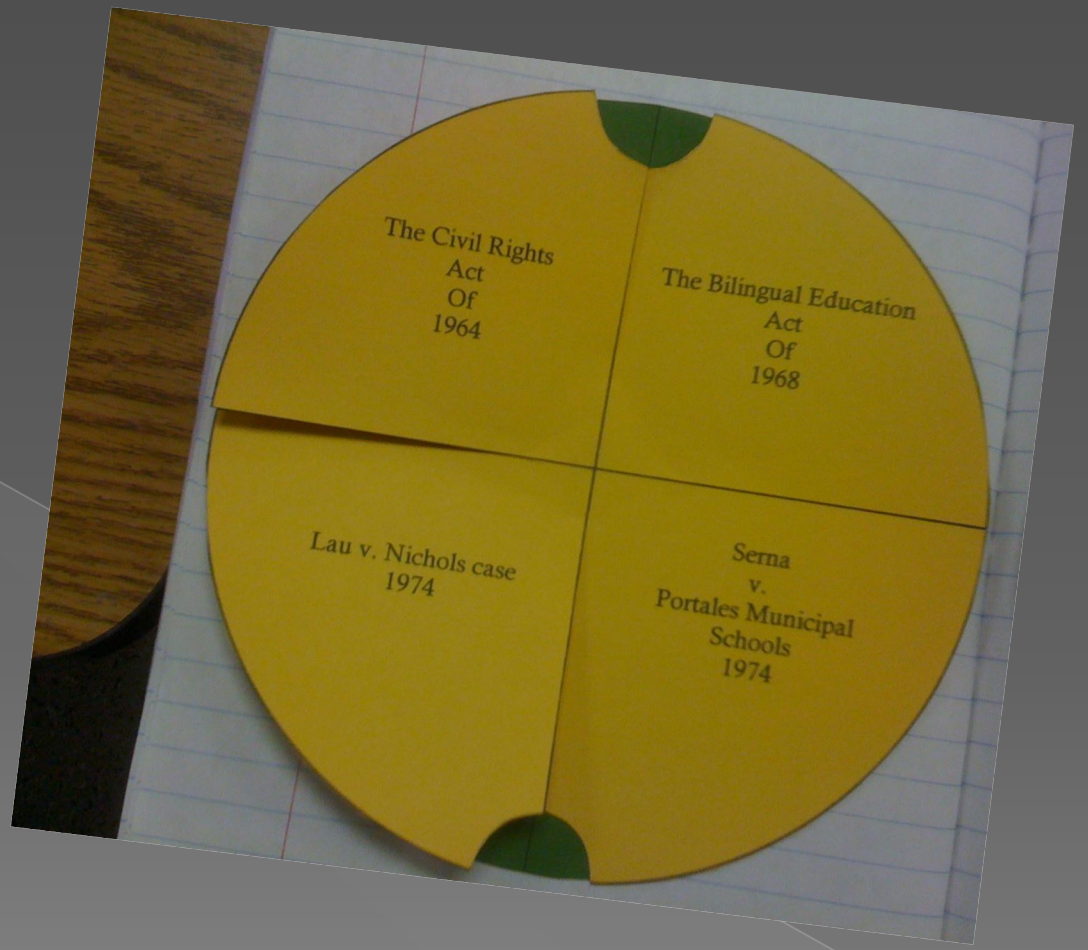




Shutter Fold –Tab Book with Bloom's



Circular Tab Book with Court Cases



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Other Foldables

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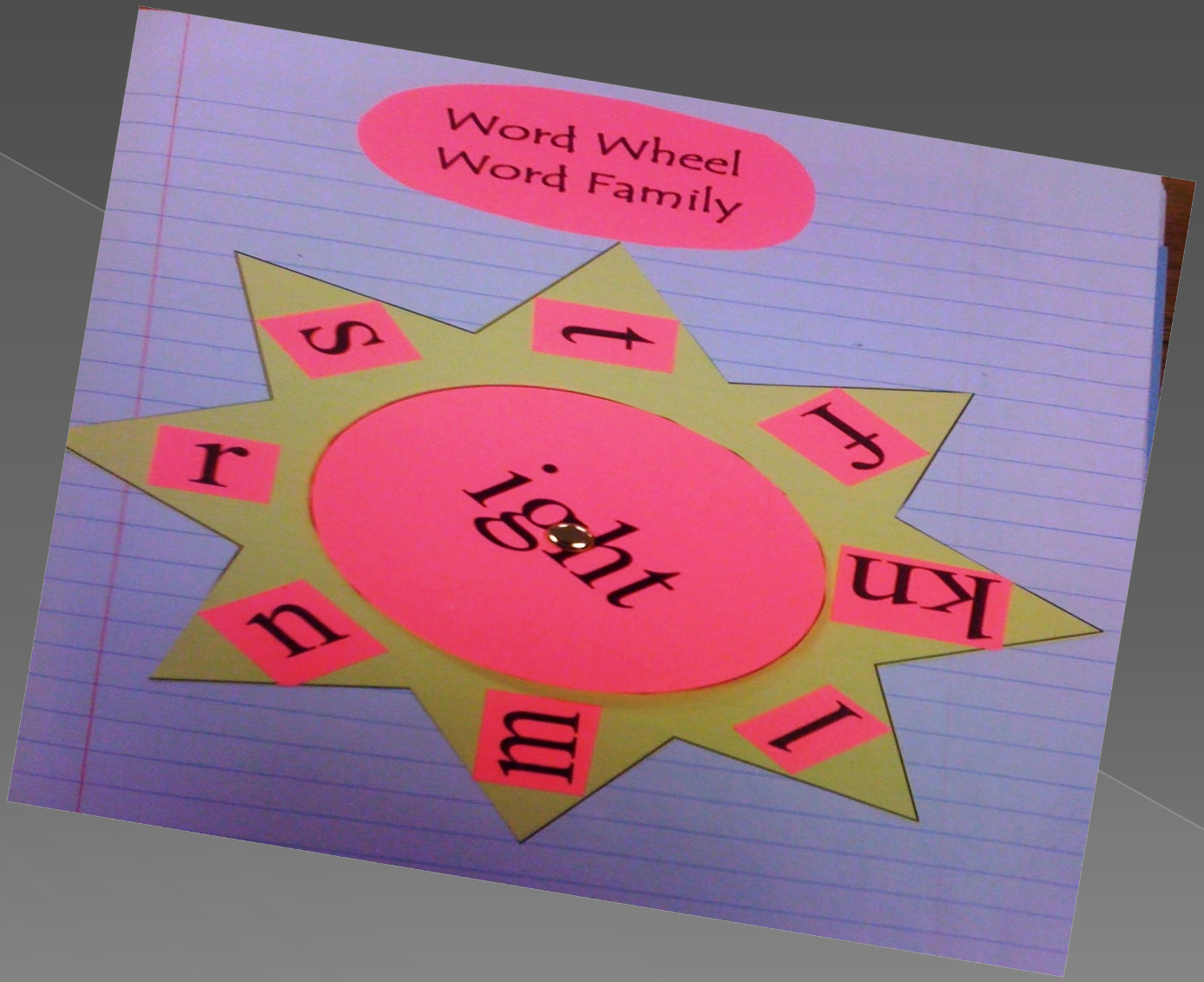

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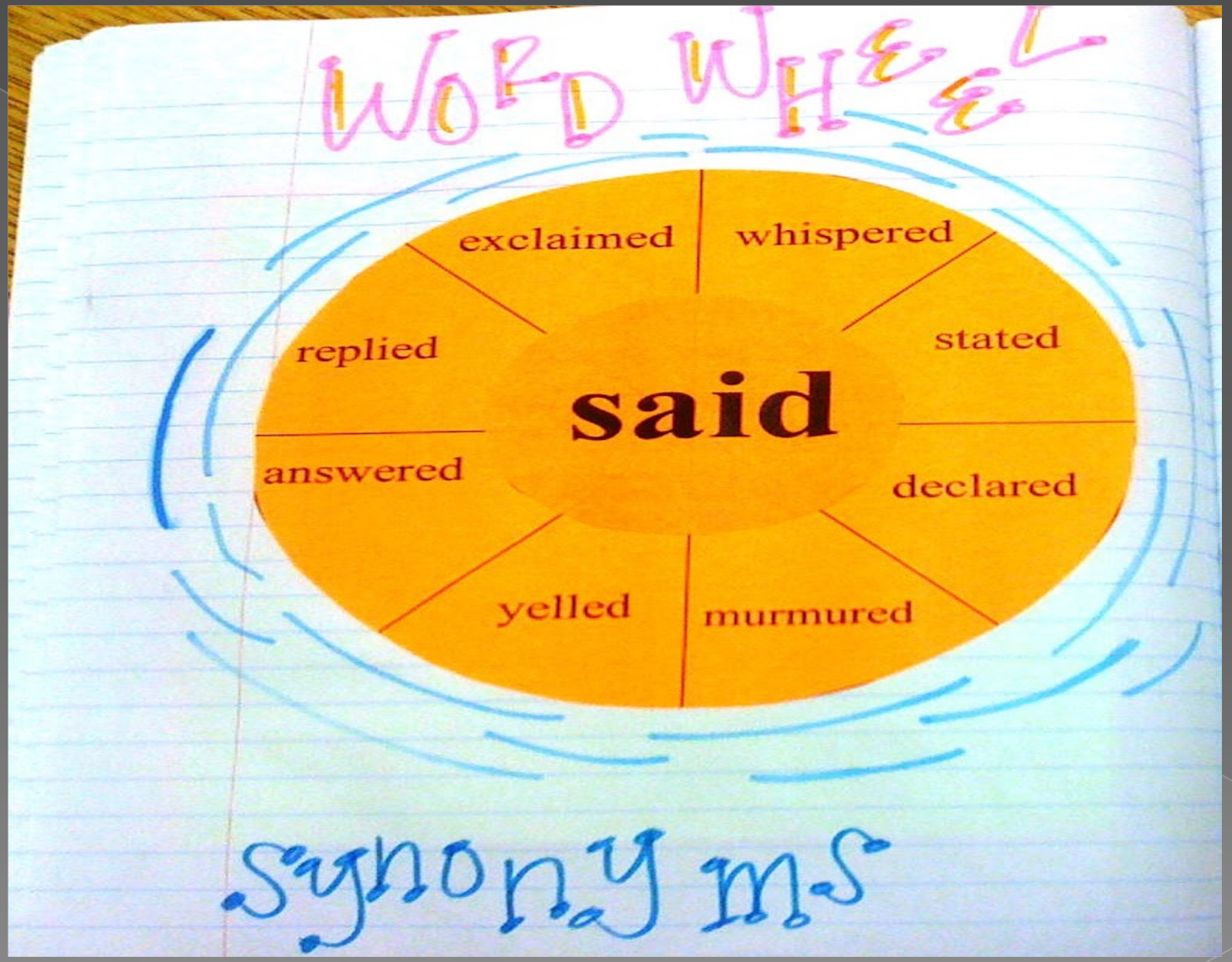

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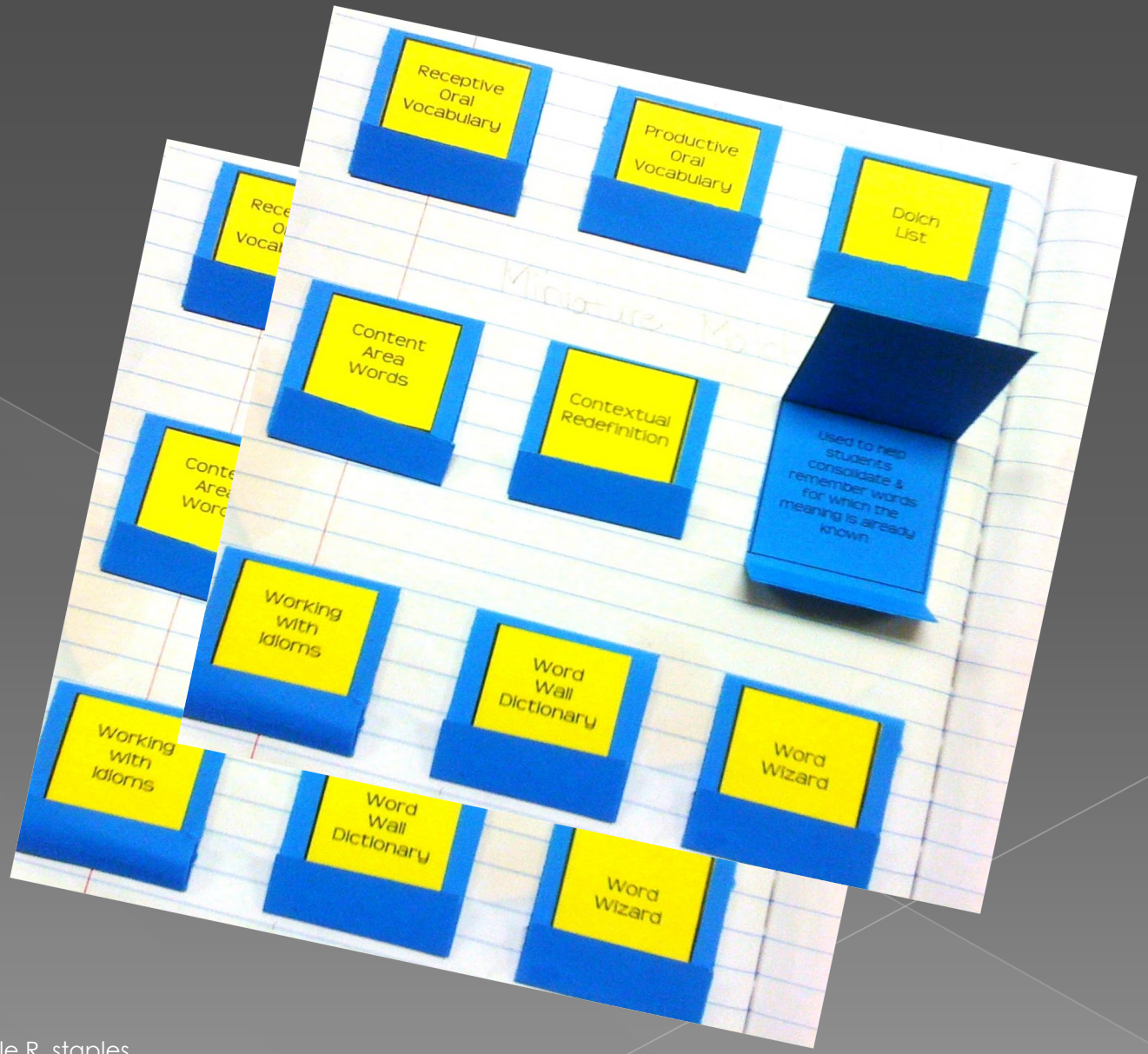
Concentration Match Book -Vocabulary



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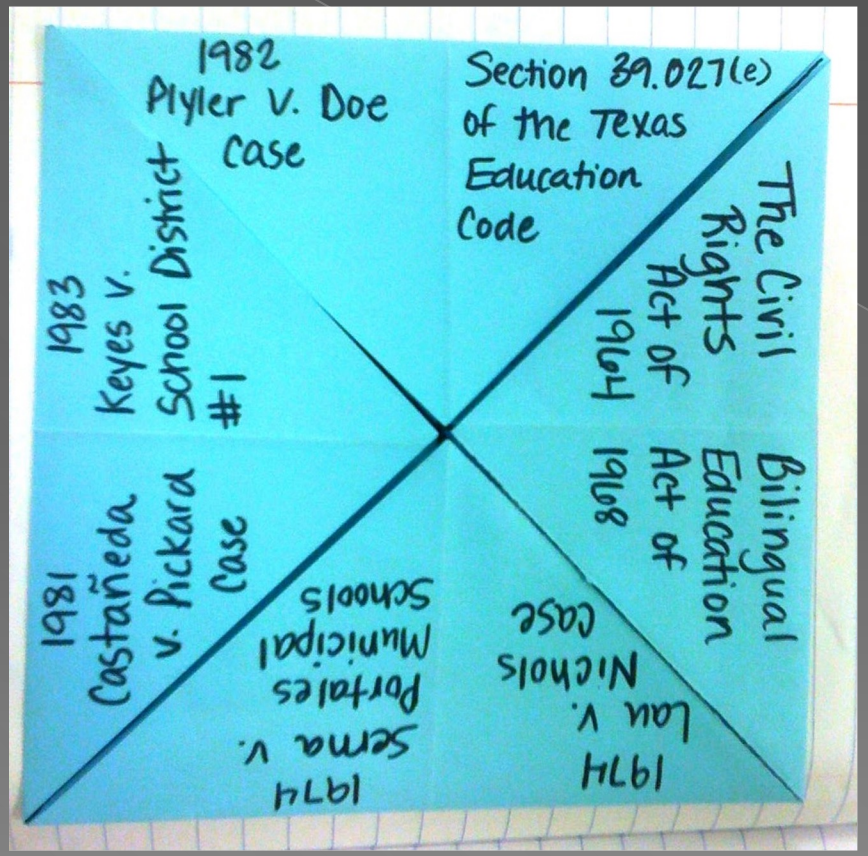
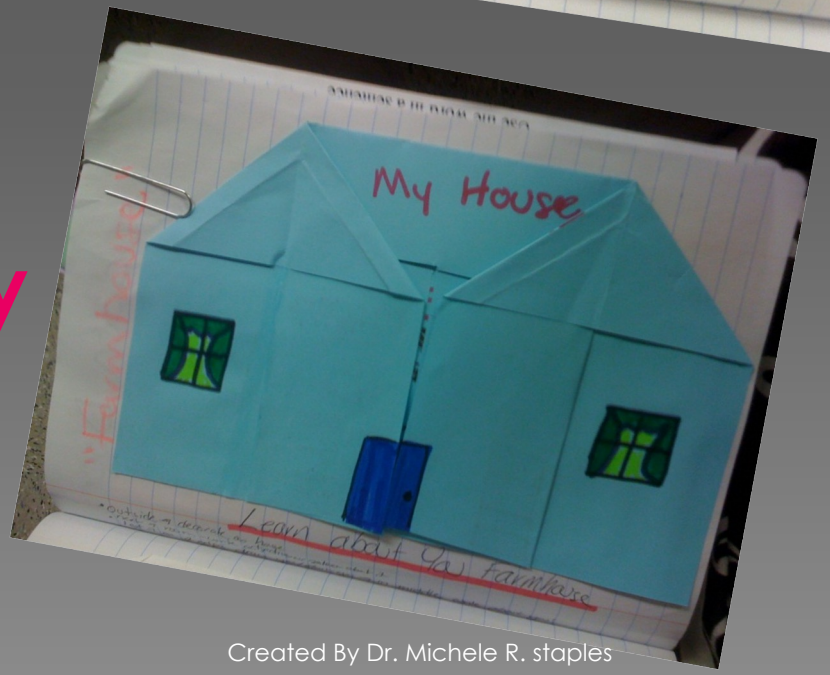
Envelope Folds



Foldables®
provide a plethora of creative outlets for students to present projects, research, experimental results, and inquiry based projects.



Let's Review! Foldables

- Ascertain initial understandings
- Build factual knowledge through schema, building dendrites!
- Encourage metacognition through active learning
- Foster HOTS

How Can YOU USE Foldables?

CREATIVE

HOTS!

- English language learners
- Students with IEPs
- Projects
- Displays
- Ultimate Foldables™ to assess
  - For Open House Projects
  - For Science Fairs
  - For Math Nights
  - For EVERYTHING
  - BUT MAINLY – TO REPLACE WORKSHEETS!
  - Because Worksheets DON't Build Dentrite's!

Assessment Ideas Using Foldables®

- Rubrics
- Tests based on information
- Writing samples for LPAC
- Journals
- Oral Questioning (SOLOM)
- ELPS – Proficiency Levels

CONTACT INFORMATION

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College of Education and Human Development
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michele.staples@tamucc.edu

Sources

Casteel, DiAnn B., and Melanie G. Narkawicz. "Effectiveness of Foldables versus lecture/worksheet in teaching social studies in third grade classrooms." *Forum on Public Policy: A Journal of the Oxford Round Table*, 2007. *Gale Academic Onefile*, Accessed 13 Sept. 2019.

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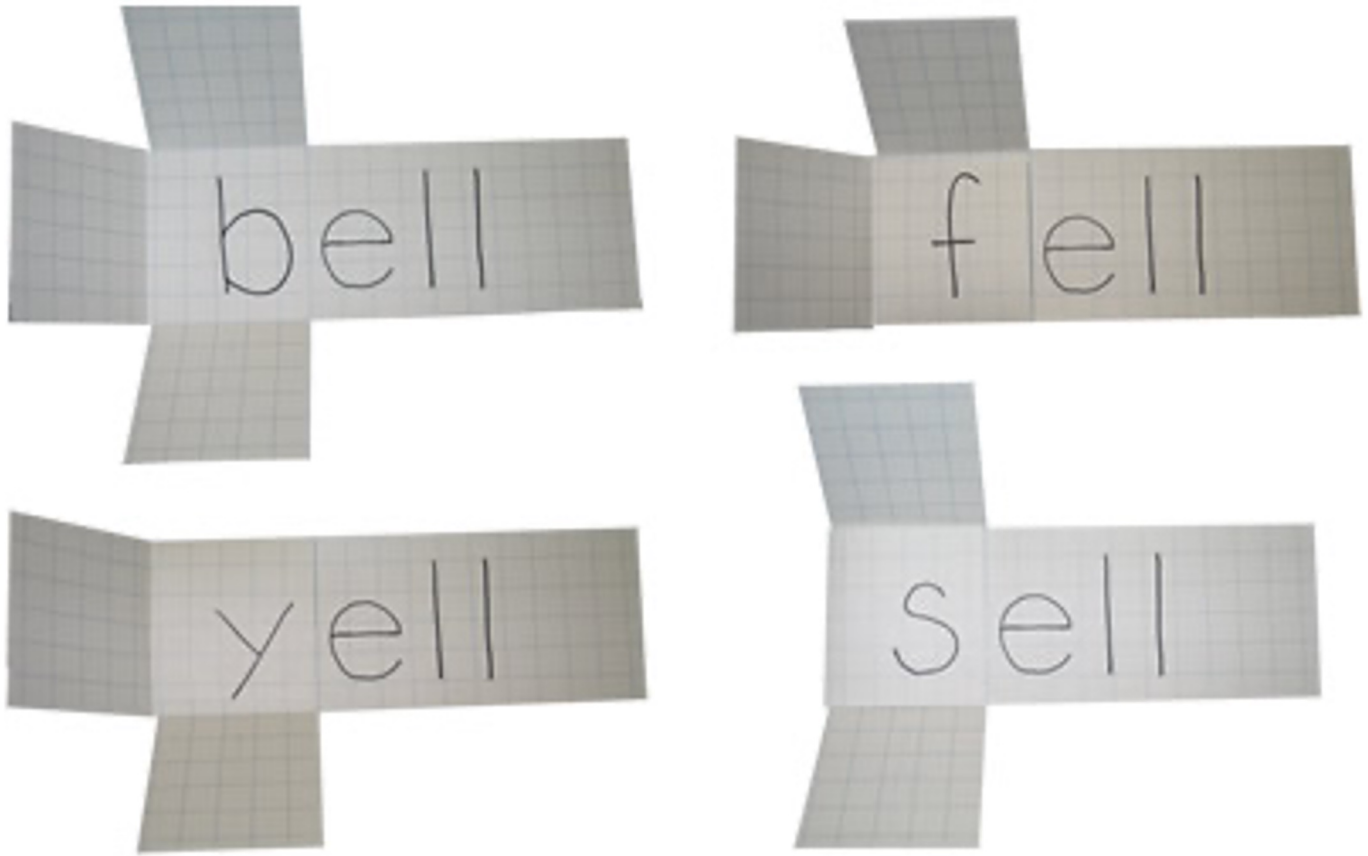
Zike, D. (2004). *Big Book of Science.* San Antonio, TX: Dinah-Might Adventures.

VKV Boogie Video Link

- http://www.youtube.com/watch?v=xudikERRmRc

VKV's with word Families



One piece of paper = four words = many opportunities to interact with words.

VKVs (visual kinesthetic vocabulary)

are amazing tools that you can use to teach:

- rimes,
- onsets,
- antonyms,
- analogies,
- homographs,
- homophones,
- dictionary skills,
- syllables,
- prefixes,
- suffixes,
- root words,
- and more.