Strategic Instruction Model®

The Framing Routine

Learning Goal

• I can implement the Framing Routine to fidelity with my students.

Essential Questions

- How can I increase the content literacy of my students regardless of their reading level?
- How can I provide the instructional scaffolds some students need to learn while maintaining the rigor for more prepared students?

Agenda

Background

Parts of the Device

Build a Draft

Examples

Cue-Do-Review

Upload a Draft and Take Knowledge Check



The FRAMEing Routine

Used to help students remember the meaning of or relationships among critical content

Transforms abstract main ideas and key topics into a concrete representation

Helps students think and talk about the key topic and related essential information

Supporting Research

Diverse classes grades 4-12

Teachers found it easy to learn

Students gained an average of 10 to 15 percentage points on tests and tasks

Increase in writing fluency (number of words, coherency of ideas, reduced mechanical errors)

Student Quotes

- "Doing the frame was the most powerful learning moments. It forced me to pay my full attention to the video and learn about water. Also, it helped to catch every detail and it was effective."
- "The frame was one of the most powerful learning moments because it helped me figure out why water is so important."
- "Doing the EdPuzzle frame, this really renewed my note taking skills."
- "The frame notes because they taught me a lot of things."
- "That frame thing actually helped a lot at first i was thinking this is kinda weird, because we just normally do the EdPuzzles. It really helped me too actually understand what i read."

Frame

- Graphic organizer
- Teacher completes draft, often modified during instruction
- Used by students for taking notes

Linking Steps

 Steps followed in completing the device with students

Cue-Do-Review Sequence

Instructional sequence that makes Framing a routine

Cue

- Students that the routine will be used.
- Do
 - The routine's Linking Steps.
- Review
 - The information and process.

Cue

 A visual device called the Frame is presented and explained to students as a way to help them understand how critical information is organized.

• Do

 During the initial presentation, the teacher follows a set of procedures called the Linking Steps that help the teacher explain how the Frame will enhance learning.

• Review

- The teacher uses the Frame to check and bolster

student understanding of the topic.



The Linking Steps

• Focus on the topic

• Reveal main ideas

• Analyze details

• Make a "So What?" Statement

• Extend understanding











The Purpose of the Linking Steps

Guide the teacher to:

- Present the information in the Frame to students in an effective manner.
- Involve students in constructing the Frame.
- Focus student attention on learning.

 Thinking about your last assessment or upcoming material, what are some topics, concepts, main ideas that are difficult for students to understand



Plant structures (like vascular tissue, roots, stems and leaves) keep plants alive to **produce food and oxygen for people** other living things.



Extension: put a check next to what you know you can do Write what you struggle with and your plan to improve it on your exit ticket Key Topic Chemical Reactions



is about...

Chemical changes are a result of chemical reactions. All chemical reactions involve a change in substances and a change in energy. LAW OF CONSERVATION: Neither matter or energy is created or destroyed in a chemical reaction---only changed.



So What? (What's important to understand about this?)

Each reaction needs to be balanced in order to be correct. There needs to be the same amount of each element in the products as there was in the reactants. I can identify the types of chemical reactions, identify signs that a reaction has occurred, explain what happens in this reaction, and describe how the Law of Concernation of Marc applies.







Name:

Date:

Punnett Squares (Single Trait)

are about ...

using a tool to predict the probablity that offpsring will inherit certain traits from their parents.

rder	Main Idea	Details
1	Figure out what the question wants to know	- Genotype or Phenotype or both? - question might be asking what the chance is that a child inherits a disease or blue eyes - chance = probability, expressed in % (ex. 25% chance of inheriting the disease) or fractions (ex. a 3/4 chance of having brown eyes, 1/4 offspring will be homozygous recessive)
2	Identify Parent's Genotypes	 read the description of the parents and turn the description into a 2 letter combination homozygous = 2 of the same letters, heterozygous = 1 uppercase, 1 lowercase trait will determine letter to be used (ex. freckles, F = dominant gene = freckles, f = recessive = no freckles)
3	Set up the P square	- using the gene combination FROM THE GENOTYPE, only one letter per side of square - father's genes go along the top, mother's genes go down the side
4	Fill out the P square	- Each box inside the square will have 2 letters, one from the father and one from the mother (put the letter in the box that is closest to the edge of the square)
5	Interpret the P square	 look at each offspring and decide what their genotype is (homozygous dominant, heterozygous, homozygous recessive) use the genotype to decide what trait the offspring will have (dominant, recessive, combination)
6	Answer the question	- look back at what the question was asking and provide the appropriate information for the answer (see step 1 for examples)

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DNA carries the information for cells to multiply so people can grow, heal and reproduce.



Options for Extending Understanding (pg. 21 – 22)

 Prioritize main ideas and essential details according to importance.

 Prioritize main ideas according to other criteria (e.g., Which had the greatest impact on their lives? Which were the most controversial? Which were the most misunderstood?).

Options for Extending Understanding

- Speculate what might have happened under a different set of circumstances.
- Forecast what happened next.
- Connect how main ideas relate to:
 - each other

Pgs. 21 & 22

- information previously learned
- past experiences
- the real world