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Literacy Summarization Tools

Book & Organizer	Description	Comments
3-2-1 Countdown <u>Power of Water</u>	As students evaluate the text, they are noting 3 important ideas (facts), documenting 2 questions that they have, and making a scientific illustration.	A general organizer template that we use in our STEM department. It is a helpful framework for when students read a short passage, watch a video clip, analyze a map or diagram, or even when their peers are presenting projects.
Problem, Solution, Side Effect (cause-effect) <u>Harnessing Nature</u>	Table describing the relationship between problem, solution, and side effect.	This is a framework that we use in 3rd and 4th grade homeroom documenting cause and effect. I added side effect because it was describe in the story.
Guided Questions with Illustration <u>Full Circle (Grassland)</u>	A typical graphic organizer with specific questions that the teacher wants highlighted.	Students will use the Paper app on their iPads, or sketch on paper.
Reader's Theater and Jigsaw <u>Volcanoes</u>	Students tackle different chapters of the book - becoming experts, and then share their findings	A group of students are selected to dramatically read the conversation that happens in the beginning of the book.
Mind Map <u>Breathless</u>	Documenting the main ideas with supporting ideas	We can use our Inspiration app on the iPad to help students track ideas.

NAME: _____

3-2-1 Countdown

Title: _____

Important Idea #1	Important Idea #2	Important Idea #3
_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Question #1 _____ _____ _____ _____ _____	Question #2 _____ _____ _____ _____ _____	
<p style="text-align: center;">Scientific Diagram/Sketch</p> <p>Requirements: Accurate, Big, Colorful, Detailed (labels), Explanation (title & caption)</p>		

Student example:

Title: The Power of Water

<p>Important Idea #1 As the snow in the mountain melts, it flows downhill and into the river. Sometimes bringing rocks and even gold.</p>	<p>Important Idea #2 Sometimes little streams cross each other or flow into bigger streams.</p>	<p>Important Idea #3 The snow that melted on the west side of the divide went to the oceans in the west.</p>
<p>Question #1 I wonder, is there is actually gold in that river?</p>	<p>Question #2 Why does the snow melt of the continental divide go east and west from that point?</p>	
<p>Scientific Diagram/Sketch Requirements: Accurate, Big, Colorful, Detailed (labels), Explanation (title & caption)</p> <p>river flows west<~~~~~ >~~~~~ river flows east</p> <p>Continental Divide</p>		

Volcanoes: Reader's Theater & Jigsaw.

Reader's Theater

25 spoken line, possibly broken into 6 student volunteers (3 them, 3 me).

Everyone reads Chapter 1: The Basics, their assigned section, and Chapter 6:

Conclusion

Jigsaw

1. Pompeii
2. Santorini
3. Krakatoa
4. Paricutin

<u>Where</u> is your volcano located?	<u>What</u> happened at your volcano?	<u>How</u> did you feel when reading this passage?
_____	_____	_____
_____	_____	_____
_____	_____	_____

Student example: Chapter 5 - Paricutin

<u>Where</u> is your volcano located?	<u>What</u> happened at your volcano?	<u>How</u> did you feel when reading this passage?
Paricutin is located on some farmland in Mexico, 200 miles from Mexico City	The farmer found a crack in his land that started spewing smoke. It grew of the next few years and eventually covered the farmland and the neighboring city.	I was surprised that a volcano surprised someone. Usually you know where volcanoes are located. I thought the volcano grew very slowly. I hope the people in the village got our safely.

Full Circle: Guided Questions & Illustration

What animal did each student represent when they entered the grassland diorama?

Jake	Fionn	Susan	Ann Marie

Scientific Illustration: How do these organisms interact with each other when in the grassland ecosystem? Hint: think about what each animal will eat. Extra: add additional organisms that would reasonably live in the grassland ecosystem.

Full Circle: The Grassland **Don't forget to label!**

Student Sample

Jake	Fionn	Susan	Ann Marie
Prairie dog	Coyote	Buffalo	Grass



Harnessing Nature: Problem, Solution, Side Effect

Problem	Solution	Side Effect
	Drilling wells to get water from deep underground.	
	Friant Dam	
	Fish Ladders	
	Katse Dam -- selling the hydroelectric power and water to South Africa	

Student example:

Problem	Solution	Side Effect
Farmland near rivers need a consistent and reliable source of water. Sometimes there is drought.	Drilling wells to get water from deep underground.	Wells can run dry
Farms along the San Joaquin River are going bankrupt because of lack of consistent water.	Friant Dam	San Joaquin River now runs dry 37 miles from the dam, affecting the local ecosystems. Pesticides and city runoff now enter the mostly dry riverbed and pollute it.
Chinook salmon cannot swim up the San Joaquin River to their nesting grounds	Fish Ladders	There will be more fish - hopefully.
The country has a lot of natural resources, but not a lot of money	Katse Dam -- selling the hydroelectric power and water to South Africa	People who were once living on the land have to move away. Pressure from the water on the dam also affect the faultline that runs under it, causing earthquakes. People in Johannesburg have plenty of water.

Breathless - mindmap

Student example:

