

	Warm-up	Outline	My Read	Summary	Recording and Presentation
			in y nous	Janna, y	Treasi and a resentation
	Purposes of Warm-up	Purposes of the <i>Outline</i> Interactive	Purpose of My Read	Purpose of Summary	Purposes of <i>Recording and</i> Presentation
	1) to provide explicit teaching		1) to provide grade-	1) To highlight and teach the	
	of skilled-reading behaviors	1) to provide background	appropriate, scientific	main strategies used by	1) to provide an authentic
	2) to give students the	knowledge; 2) to explore the	knowledge	skilled readers to summarize,	purpose for re-reading,
	opportunity to transfer a skill	ways visuals are used in texts,	2) to provide time to read	and 2) for the purpose of	hence for motivation; 2) to
	to a new text	both static and interactive;	informational text	deeply understanding new	deepen understand in the
	3) to familiarize students with	and 3) to build motivation;	3) to encourage the asking of	material to the point of being	content areas through
	academic language	and to build in some redundancy of information	questions as a form of monitoring comprehension	able to talk about it with	repetition; 3) To experience revision at
	Explanation	by explaining the same	3) to understand that often	accuracy.	the oral level via the
	Explanation	concepts in different ways	new vocabulary can be	Explanation	opportunity to re-record in
	While many readers pick up	concepts in university ways	understood by exploring the	Explanation	order to review prosodic
Purposes and Explanations	skilled behaviors through	Explanation	surrounding context	Summary is one of the most	feathers, such as pitch, tone,
nati	reading widely and	·	4) to understand that	difficult skills to master. But,	etc.
olar	intensively, many students	One of the largest deterrents	sometimes a friendly,	there are a few, research-	4) to strengthen reading
Ä	benefit from explicit	to student comprehension is	dictionary definition is useful	based principles that inform	fluency
pur	teaching, hence the warm-	not having enough	5) to give teachers the	the summary lessons: 1)	5) to feel pride through being
es s	ups. Following the warm-ups,	background/vocabulary	opportunity to monitor	Delete trivial and/or	integrated into an authentic,
soc	students are encouraged, as	knowledge to make	understanding through four	redundant information; 2)	content-based production
ling	they read the informational	inferences as informational	comprehension questions at	Substitute superordinate	Fundamation
_	book, to remember the warm-up and use the	text is read. Each outline segment brings new concepts	the end of each text.	terms for lists; 3) Select a topic sentence or invent one	Explanation
	strategy as they read.	that relate to the My Read	Explanation	if one is missing. A good	One of the best ways to
	strategy as they read.	text into the forefront and	Explanation	question to either find or	become a good reader is to
		uses the appropriate, as well	The topics in the second	make-up a main idea is to	both read text and re-read it
		as necessary, academic	grade curriculum cover	ask, "What are all the	for an authentic purpose.
		language.	science knowledge deemed	sentences about?"	This gives cause to the
			appropriate at both the State	Our focus for 2 <sup>nd</sup> grade is	recording and presentation
			and National (lexile) levels.	mostly on 1 and 3, although 2	segments of the program.
			The Information Books in the	comes up on occasion. Also,	Additionally, new vocabulary
			Smarty Ants series have been	there is not an occasion to	is learned through multiple
			written by professional	have to make up a topic	encounters with the same
			writers, consequently while	sentence/main idea. In the	word, thus the recording and
			staying within a 2 <sup>nd</sup> grade	2 <sup>nd</sup> grade material, the main	presentation opportunity
			lexile range, vocabulary	ideas are stated explicitly.	gives students this





appropriate to each content is used without reservation. Yes/No questions occur throughout the text—as children read—as a way to model comprehension monitoring through the asking of simple, factual questions; and, in all cases the answers to the questions are in the text, spurring a very close reading, where children attend to what the text says explicitly.

On Yes/No questions...
Students will practice
answering yes/no questions
that deal with factual
information in the book
(right-there question); they
will know how to look back at
the text to answer factual
questions.

On Comprehension questions Students will practice answering comprehension questions that require both factual retrieval and inferential thinking. Content vocabulary is often tested, as is occasionally testing the understanding of a reading strategy or skill taught in the book's "warm-up." opportunity.



<b>Book On</b>	e:
Life Cycle	25

## Understanding a Sequence of Events/Signal Words

Students will understand that signal words help them understand text structure/organization, and since the text they are about to read uses signal words that relate to stages, they will recognize the signal words *first*, *second third*, and so on.

## **Outline Concepts**

Movie 1: Life Cycle and the concepts of life going on and on in a circular, yet offspring keep it going: butterfly, frog, and plant life cycles

Movie 2: Explores the

Movie 2: Explores the concept of stages within a life cycle. The example is a butterfly

Interactive: Stages of plant growth and the concept of pollination

# Take-away Main Ideas for Life Cycles

Life cycles demonstrate that living things grow and change; examples in the text include the life cycles of butterflies, frogs, apples; All animals and plants roll along on their own, individual life cycles.

## Highlighted Content or Academic Vocabulary (definitions)

Cycle, stages, caterpillar, stem, chrysalis, tadpole, froglet

# Summary

Students will use headings to guide their summary work; will understand the difference between main ideas and details; be able to put their summary sentences into the same order as the book, and they will be able to wrap up a summary with what was said about the topic: the main idea.

#### Book Two: Plants

## **Synthesizing Information**

After completing this lesson, students will know to think about what they already know as they learn to accommodate new information into known information. This is an important realization because knowledge gain is incremental, and one way it builds upon itself is through the act of combining the new with the known.

## **Outline Concepts**

Movie 1: No matter the size, plants need to grow. The concept of photosynthesis is explained.
Movie 2: Plants need just

the right amount of water, heat (temperature), and sunlight; plants and seeds move

Interactive: Students practice choosing whether a given plant part shown is a root, shoot or fruit.

# Take-away Main Ideas for Plants

Plants are everywhere on the planet; they need just the right amount of sunlight, heat because they have different requirements; plants make their own food through the process of photosynthesis; minerals help the photosynthesis process; the food plants make helps their root, stems, and leaves grow; these plant parts have different functions; plants and seeds move.

# Highlighted Content or Academic Vocabulary

# Summary

Students will build on the knowledge they used to write a summary for Book One, but in addition, they will realize the importance of defining an important content word in their summaries, if applicable.



			(definitions) Planet, algae, habitat, rainforests, meadows, moss, deserts, minerals, photosynthesis, chemical, roots, leaves, stems, carbon- dioxide, tendril, sprout, depend, environment		
	Detecting an Explicit Main Idea	Outline Concepts	Take-away Main Ideas for Reproduction and	Summary	
Book Three: Traits	Students will know that in order to find the main idea of a paragraph it is useful to ask, "What are all the sentences about?" Usually this sentence will occur at the beginning of the paragraph, but students will also know that it can come at the end, or even sometimes in the middle. The key is the question: What are all the sentences about?"	Movie 1: "Reproduction" and the concept of "uniqueness" are woven together  Movie 2: Frogs and rabbits are compared with the idea that living things are alike yet different, depending on their needs, which are often affected by the environment; specific traits support survival.  Interactive: a review of the concept that animals and plants have different traits that help them survive, grow and produce offspring	Reproduction is how adults make young of their own kind; young inherit traits; all living things are like their parents in some ways and unlike them in others; yes, all living things are unique because traits are inherited from both parents  Highlighted Content and Academic Vocabulary (definitions) Resemble, fact, offspring reproduction inherited characteristics, produce unique, combination, pollen, compare, habitat	Students will build on the knowledge they used to write a summary for Book One and Two, but in addition they will realize the importance of word repetition in discovering the main idea of a paragraph.	
Book Four: Rocks	Understanding Author's Purpose	Outline Concepts	Take-away Main Ideas for Rocks:	Summary	
			Nochs.	Ctudents will build on the	
	Students will understand that texts are	Movie 1: Rocks are an		Students will build on the	
	Students will understand that texts are written with a purpose and that they must take the author's purpose into	important part of the landscape; rocks	The earth is mostly rock;	knowledge they used to write a summary for Book	



must understand that authors consider
their audience, the most important
things they have to say about their
topic, and how they will organize their
information. Students need to look for
what the most important information is
and how the text is organized.

habitat of living things; rocks are used to make many things; rocks are composed of different minerals

Movie 2: Rocks are altered by weathering through such forces as wind, water and temperature to create smaller particles (e.g. sand); three different categories of rocks exist: sedimentary, igneous, and metamorphic; describe the three categories of rocks and give examples.

Interactive: Reviews the three kinds of rock sedimentary, igneous, and metamorphic; introduces specific examples of kinds of rock - what they are and their use minerals, which are different from each other; minerals are used in many different ways; there are three types of rocks: sedimentary, igneous, and metamorphic.

# Highlighted Content or Academic Vocabulary (definitions) Ingredients, minerals,

Ingredients, minerals, crystals, classified, sediments, fossils, melted, statues they will understand that they can't make up information and also that they can change long lists into a superordinate idea/term.

# Book Five: Fossils

# Understanding "5 Ws and H" Text Structure and typical signal words used

Students will understand organizing structure of 5Ws (who, when, why, what, where) and H (how) by learning these key, question words and attending to answers that capture the main idea behind each question.

#### **Outline Concepts**

Movie 1: Fossils are evidence of life from long ago; many fossils are from extinct organisms; many fossils are similar to modern organisms; fossils are formed in different ways: imprints, fossilized bones and preservation in amber, tar, and ice

Movie 2: Not all body parts easily become fossils—bias towards things like bones, teeth,

# Take-away main ideas for Fossils

Definition of fossils; how fossils are formed; how bones turn into fossils; How imprints turn into fossils; why fossils are important; who studies fossils

Highlighted Content or

# Highlighted Content or Academic Vocabulary (definitions)

Evidence, fossils, remains, amber, proof, decompose,

# Summary

Students learn to use the 5Ws and H question words to form a summary paragraph. The idea of omitting interesting, though less-important, details is reinforced. Additionally, students are reminded to look for highlighted words from the text to include in their summaries.



and shells; fossils give us clues about ancient plants and animals (life long ago); fossils help us understand how the earth has changed over time.

**Interactive:** Reviews the concepts of extinct and modern and provides the student the opportunity to "dig" for fossils.

fossilize, woolly mammoths, minerals, imprints, sediment, mold, Antarctica, climates, extinct, paleontologists

## Book Six: Measurement

## Understanding "Problem/Solution" Text Structure" and typical signal words used

Students will understand that texts can be structured around the idea of problems that need to be solved (the problem/solution text structure), and become aware of typical signal words used in this structure, such as "because," "as a result," and so on.

## **Outline Concepts**

using standard units; introduce concept of standard measure; make predictions based on observed patterns and not random guessing **Movie 2:** Introduction of measuring tools (e.g., rulers, scales, and so on);

measuring with

appropriate tools;

**Movie 1:** Estimate lengths

in both English system and Metric system Interactive: Review of measuring tools and what they're used to measure

expressing measurements

# Take-away Main Ideas for Measurement

Measuring solves problems; many tools are used to measure length, weight, and volume; there are two measuring standards: English and Metric; rulers measure length; scales measure weight; thermometers measure temperature; and several tools measure volume, such as teaspoons and liters; ordinary people and scientists need to measure things

# Highlighted Content or Academic Vocabulary (definitions)

Measure, solutions, guessing, precisely, unit, measurement, standards, English system, metric system, centimeter, meter,

# Summary

The idea that titles and headings carry the main topic and main ideas in nonfiction texts is reinforced; students distinguish between important ideas and interesting details; students learn to collapse information by combining sentences; they are reminded that summaries don't include the asking of questions, but rather just the fact/information given.



kilometer, ruler, balance, kilograms, grams, temperature, estimate, thermometer, volume, ingredients, precise, liters

## Book Seven: Light

# Understanding the "Categorical" Text Structure and typical signal words used

Students will understand that much of our scientific knowledge is organized by categories, and that categories are often hierarchical. They will become aware of typical signal words used in this text structure, such as "like," "another kind of," and so on.

#### **Outline Concepts**

Movie 1: Understand that light is necessary for us to be able to see objects, and that mirrors and prisms can alter a light beam's path.

Movie 2: Understand that materials of various kinds allow different amounts of light to pass through them (transparent/translucent/o paque). Also understand that shadows are created when light cannot reach a particular area opposite of a light source.

**Interactive**: Experience deciding whether specific objects are transparent, translucent or opaque.

# Take-away Main Ideas for Light

Light is needed for living beings to see and requires the use of eyes, the brain and light; light travels in straight lines; the surface of objects (e.g., rough, shiny) partially determines how much light is reflected: shadows are created when light shines on opaque objects; white light is made up of seven colors, which can often be seen when a rainbow appears; rainbows are formed when light from the sun hits raindrops in the sky and the light scatters into all the colors of the rainbow; in science texts, readers encounter "types" of things, or categories.

# Highlighted Content or Academic Vocabulary (definitions)

Light, source, reflects, shadow, opaque, transparent, translucent, frosted, scatter, prisms

#### Summary

Students are reminded that titles and headings often reflect the main ideas of a scientific article, and that they can be used to build a precise summary. In addition, students are encouraged to use signal words/phrases, such as "types of," to categorize important information. Lastly, students are reminded that summaries are short and are meant to capture the main ideas. only.



		•		
	Cause/Effect	Outline Concepts	Take-away Main Ideas for Sounds	Summary
	Students will understand that science is	Movie 1: How sounds are		Students will build on the
	all about figuring out cause/effect	made and how they travel,	Sounds are everywhere;	knowledge they used to
	relationships. They will also learn	from dogs barking, musical	they are made by rippling	write a summary for Book
Book Eight:	several of the cause/effect signal	notes, bicycle horns, to	waves that cause matter to	One though Seven, but in
Sounds	words, such as "so," "as a result" and	alarm clocks; for sounds to	move; moving matter, like	addition they will
(SL4)	"since."	travel, air is required; how sounds are heard via the	air particles, funnel into our ears; moving matter	recognize when they've added their own opinion
		human ear	can be high or low (pitch);	to a summary and will
		Movie 2: Why sounds are	sound waves can travel	know it must be revised.
		important and the	through solids, liquids, and	Opinions of the author are
		concepts of pitch and	gases; the volume of	fine, but not the summary
		volume	sound can be high or low;	writer.
		Interactive: Students	sound waves move from	
		match sounds to their	our ears to our brain	
		source	through a series of	
			cause/effect reactions	
			Highlighted Content or	
			Academic Vocabulary	
			(definitions)	
			Clap, vibrate, matter,	
			pitch, vibrations, volume, ear drums, transmitter	
			ear urums, transmitter	
Book Nine: Forces	The Use of Titles and Headings to Guide Comprehension	Outline Concepts	Take-away Main Ideas for Forces	Summary
(SL2)		Movie 1: Scientists have		Students recognize that
	Students will know that the title of a	questions, produce	Pushing and pulling are	summaries must have a
	book is its main topic and that if there	hypotheses; and do	forces, as is friction.	title, tell the big ideas in
	are headings, they will most likely say	research and experiments	Friction can make things	order, sometimes use
	something about each main idea. They will understand that reviewing a text in	to find answers to their questions; the use of tools	hard to move; Egyptians used forces to build	pictures and captions to inform their summary.
	this way before, or during, reading aids	and machines to	pyramids, and to make	They also are reminded to
	understanding.	affect/ease the forces on	things easier they often	look for headings and for
	Ŭ	objects, like gravity and its	pushed and pulled stones	words that are repeated
		hold on the ability to build	over rounded logs, which	multiple times when
		pyramids;	reduced friction; Egyptians	wanting to capture the



Movie 2: An explanation of how to reduce friction so that moving objects becomes an easier task; the positive aspects of friction; a few thoughts on the nature of revision in both science and writing Interactive: A review of how friction gets reduced through grease, incline, logs, pulleys, short incline, magnet, and the importance of choosing the right tool for the right purpose

also used ramps, so less force would be need to move and stack the stones; today, as in ancient times, nothing moves without a force of some kind.

Highlighted Content or Academic Vocabulary (definitions) Forces, friction, pyramids,

ramps, inclined plane

main ideas. Additionally they will understand that summaries often close with an idea that relates to the topic of the entire text.