Supports science, reading, writing, and vocabulary!

SCIENCE PASSAGES 6 LEREDITY ARTICLES

LET'S EXPLORE SCIENCE

Plants and Animals

Inherited Traits

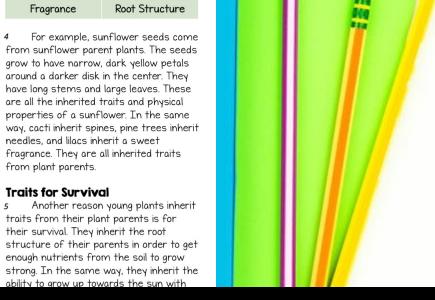
Just as people have inherited traits, like hair and eye color, so do plants and flowers. And just as people receive inherited traits from their parents, so do plants...in a way. That's because every plant has two 'parents.'

From Pollen to Plant

- Pollen from one plant travels (by wind, bird, or bee) to another plant. The plant that receives the pollen grows seeds. The seeds become the offspring of the two plants, just like babies are the offspring of humans, kittens are the offspring of cats, and calves are the offspring of cows.
- Once the seeds grow, they begin to take on some of the inherited traits of their plant parents. Some of these traits are have to do with the plant or flower's color, size, shape, and even fragrance. One way to think about the inherited traits of plants and flowers is to consider their physical properties things you can observe and describe about them.



Physical Properties		
Seed Color	Flower Color	
Seed Shape	Flower Position	
Seed Pod Shape	Pod Color	
Leaf Pattern	Stem Length	
Fragrance	Root Structure	





CROSS-CURRICULAR INSTRUCTION

Teachers are always short on time, and unfortunately this often means that science can take a hit. These texts make it easy for you to teach key science content through a rich and engaging reading lesson. You'll tackle multiple subjects at once.

BUILDS KNOWLEDGE

Building knowledge in science is a key part of teaching reading. Each text in this set connects to the overarching topic of heredity. As students are reading, they will be able to connect what they learned in one passage to another passage they read from this set.

HIGH INTERESTS TEXTS

Not only do these texts connect to key sciences topics and concepts, but they are also highly engaging and interesting to read. Your students will love learning about the topics included in this science set!



MHAT'S INCLUDED

LET'S EXPLORE SCIENCE

Gregor Mendel

E FATHER OF MODERN GENETICS

In our modern world, much science is based on genes, traits, DNA, and heredity. But did you know that without a 19th century mank and a humble pea plant; we probably wouldn't know as much about it today? Here's why.

Johann Mendel was born in 1822 in Austria. When he was 11, one of his schoolfeachers realized he was very bright. Since he lived in a small town, the teacher suggested Johann attend school in a larger atty with more resources. Even though Mendel's family was poor, they made sacrifices so Johann could receive an education. He graduated with honors in 1840, hen went to college to study math and science.

After college, Mendel's father hoped the would come home to work on the family farm. But Johann chose a very different path le decided to become a monk. Monks are men who dedicate their lives to religion. But many 147 century and worked were also hubs for learning and worked were also hubs for learning and culture. Monks were encouraged to study and create, which was a great fit for a smart man like Mendel. After becoming a monk, Johann changed his name to Gregor.

Gregor's life at the monastery meant he could continue with his education.



Gregor Mendel conducted his experiments on pea plants at St. Thomas Augustinian from 1856 to 1863.

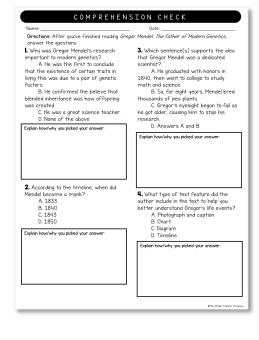
He learned from university scientists and became a great science teacher himself. Plus, Gregor had access to a large research library at the monastery. And after he was put in charge of upkeep for the monastery's garden, Gregor started conducting experiments with plants.

At the time, most people believed in blended inherinact. This was the idea that the traits of parents blended together to create of Espring blowwer, as Mendel observed the pea plants in the garden, he saw that they were not following these blended rules. So, for eight years, Mendel bred thousands of pea plants, the cross-pollinated ones with different features (like color, length, and seed texture) to observe how their traits were passed down.

Offine Shellar Teacher Compon

Reading Passages

Get six nonfiction science based articles. Each text is written in a different text structure and includes a variety of text features to support both reading and science standards



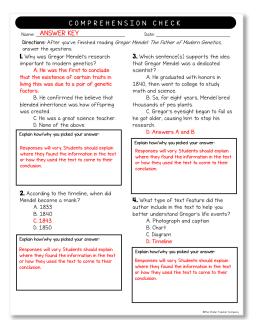
Comprehension Check

Each passage also has a short four—question, multiple—choice comprehension check. You can use this to asses their understanding of the science topic or their reading comprehension.

Name Directions After varior Frieded reading Grager Mandali The Faither of Materia Genetics, proved the guestions liber everything you becomed from the text to are were ooch question. Don't farget to use compiler searcherose and text devidence. What information did you learn from the text fleatures included in Gragor Mandal. The Faither of Madern Genetics? What is the text structure? What clues helped you identify the structure? What is the text structure? What clues helped you identify the structure? What is something new you learned while reading?

Reading Response

The reading response sheets following each passage will help your students build confidence when writing about a text. The questions cover a variety of reading skills.

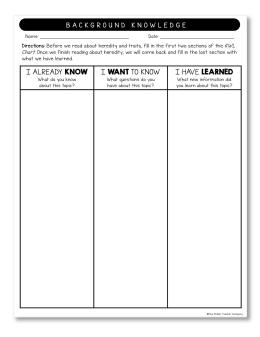


Answer Keys

We've included answer keys for all the student response pages. This will make it easy for you to check student work or to assign a grade.

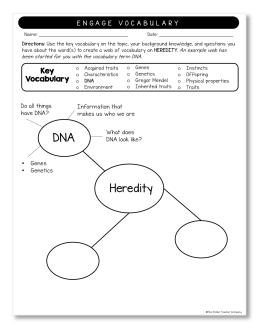


ADDITIONAL ACTIVITIES



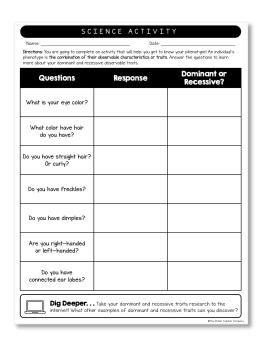
Background Knowledge

The background knowledge worksheets will help your students activate their prior knowledge of the topic. We include a variety of background knowledge activities.



Vocabulary Activities

Vocabulary and word study are essential in helping our students improve their reading, writing, and speaking skills. We include several vocabulary activities you can use with this resource.



Science Activities

Whether it be performing steps of the scientific method, creating a picture glossary, or conducting an experiment, you'll get a handful of activities to support this science topic.

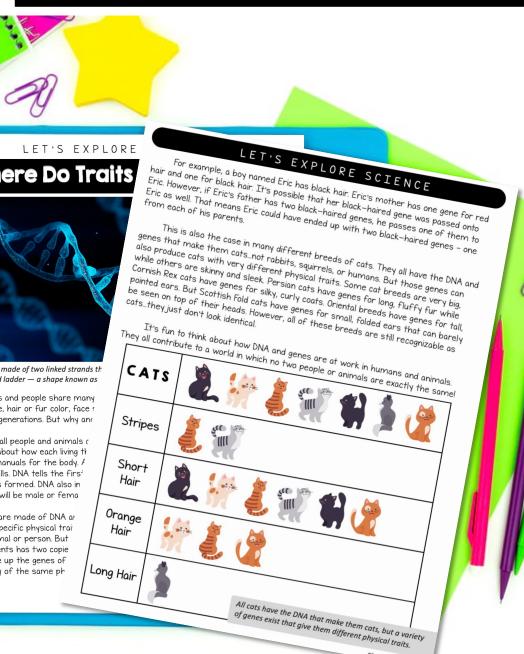
	me:	Date:
rec vant	tions: You are going to write to respond. Then, create a	a paragraph about traits. First, read the question and think about how you plan for your paragraph. Use the Checklist to write a well-developed paragr
	Explain Gregor	Mendel's impact on the study of genetics.
		of Gregor Mendel's accomplishments significant events from Mendel's lifetime that impacted the
_		
_	· · ·	1
(\	Paragraph Checklist	
(\ -	Paragraph Checklist Topic Sentence: Introduces the main	
(<u>)</u>	Checklist Topic Sentence: Introduces the main idea in a clear,	
	Checklist Topic Sentence: Introduces the main	
	Checklist Topic Sentence: Introduces the main idea in a clear, precise way Detail Sentences: Clearly support the	
	Checklist Topic Sentence: Introduces the main idea in a clear, precise way Detail Sentences: Clearly support the topic sentence, written in a variety	
	Checklist Topic Sentence: Introduces the main idea in a clear, precise way Detail Sentences: Clearly support the topic sentence, written in a variety of sentence	
0	Checklist Topic Sentence: Introduces the main idea in a clear, precise way Detail Sentences: Clearly support the topic sentence, written in a variety of sentence structures, include transition words	
0	Checklist Topic Sentence: Introduces the main idea in a clear, precise way Detail Sentences: Clearly support the topic sentence, written in a variety of sentence structures, include transition words Concluding Sentence	
0	Checklist Topic Sentence: Introduces the main idea in a clear, precise way Defail Sentences: Clearly support the topic sentence, written in a variety of sentence structures, include transition words Concluding Sentence: Summarizes or wraps up the	
0	Checklist Topic Sentence: Introduces the main idea in a clear, precise way perali Sentences: Clearly support the topic sentence, written in a variety of sentence structures, include transition words Concluding Sentences or Summarizes or	

Writing About Science

You will find two options for writing about science in this resource. The Paragraph Checklist will help your students write a well—developed paragraph about the topic with a topic sentence, details, and a conclusion.



HOW CAN I USE THIS RESOURCE?

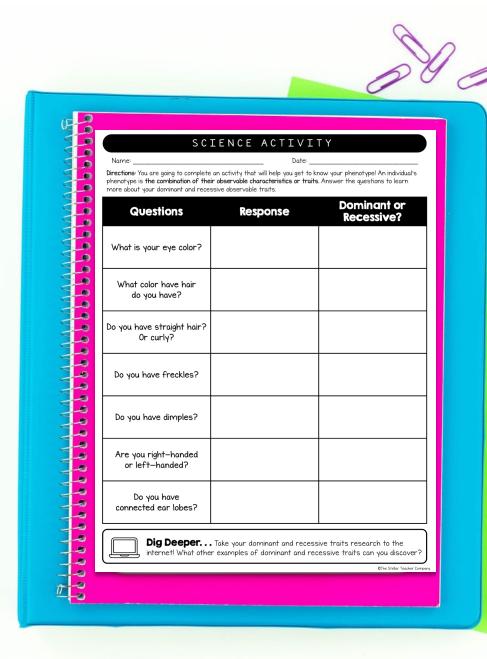


- Use these resources in your reading block, science block, or both!
- Don't forget to utilize the digital version of this resource to help your students master digital literacy skills.
- Use the entire resource or pick and choose which activities work best for you and your students.
- These resources are the perfect addition to your science or reading block as you prepare for standardized testing.



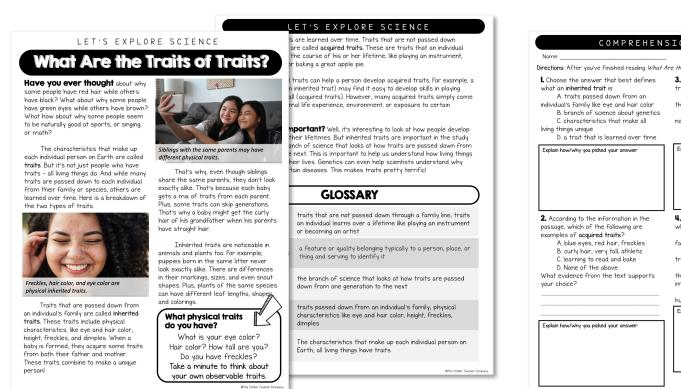
HOW CAN I USE THIS RESOURCE?

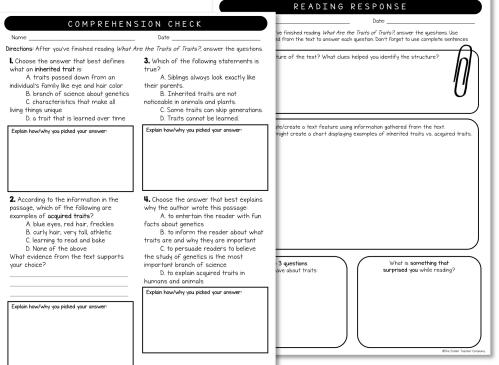
- You can use the passages and student response sheets as extra guided practice and do them as a whole group.
- You can use the passages and comprehension checks during small groups with students who need extra support.
- You can use the Writing About
 Science activities as a pre—
 assessment of a unit and then as a
 summative assessment to gauge
 learning.
- Partner students up for the Science Activity to add a layer of collaboration.





PASSAGE 1: WHAT ARE THE TRAITS OF TRAITS?

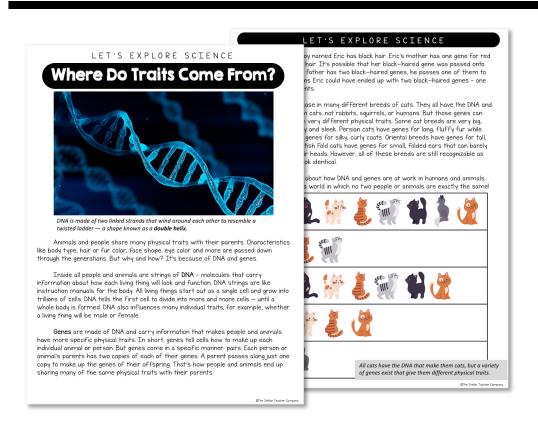


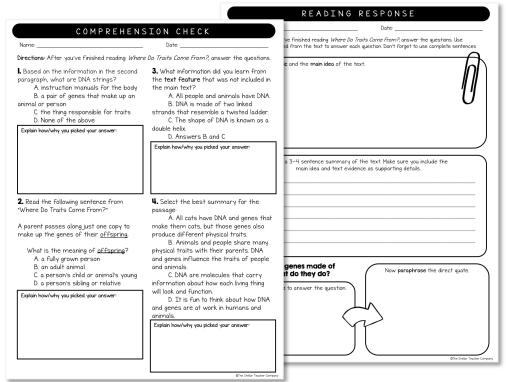


- General Topic: Different Types of Traits
- Text Structure: Description
- Text Features: Photographs and Captions, Glossary
- Reading Skills: Evaluate Details & Key Ides, Text Structure, Text Features, Asking Questions



PASSAGE 2: WHERE DO TRAITS COME FROM?

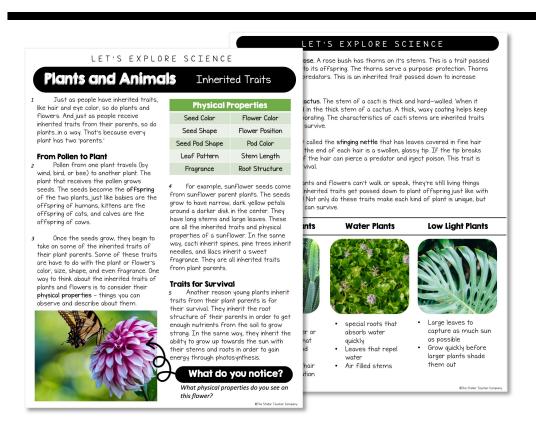


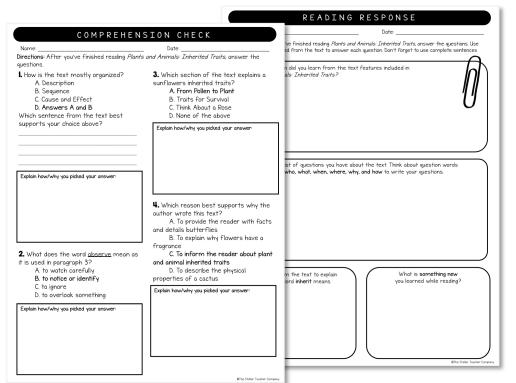


- General Topic: Animals and Plants Share Traits With Parents
- Text Structure: Description
- Text Features: Photographs, Illustrations, Bold Words
- Reading Skills: Main Idea, Evaluate Details & Key Ideas, Text Features, Context Clues, Summarize, Direct Quote/Paraphrase



PASSAGE 3: Plants and Animals: Inherited Traits

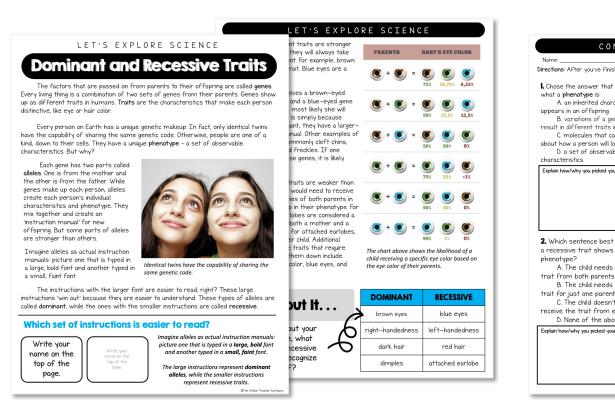


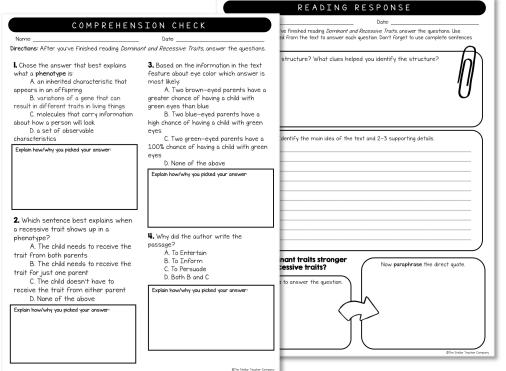


- General Topic: Plants and Animals Have Inherited Traits
- Text Structure: Description
- Text Features: Photographs and Captions, Glossary, Infographic
- Reading Skills: Key Details & Ideas, Text Evidence, Text Features, Text Structure, Asking Questions



PASSAGE 4: Dominant and Recessive Traits



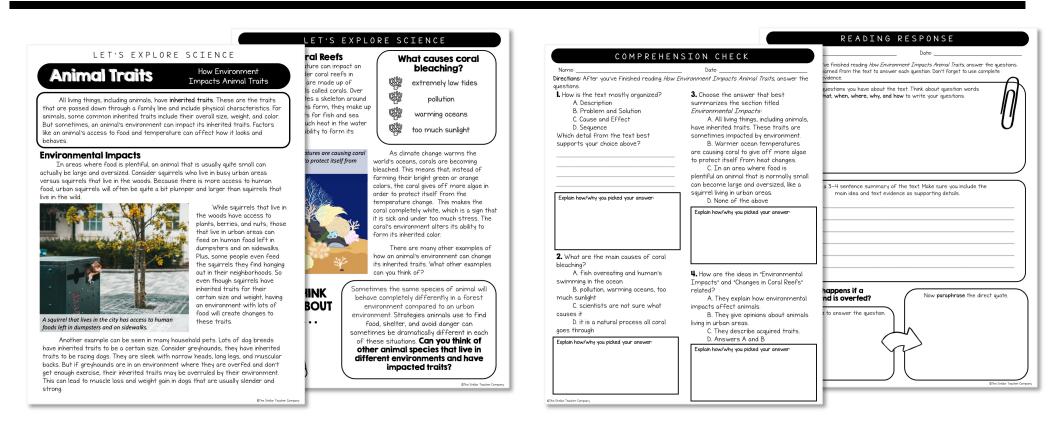


- General Topic: Examples of Dominant and Recessive Traits
- Text Structure: Compare and Contrast
- Text Features: Photographs and Captions, Chart, Infographic
- Reading Skills: Key Details & Ideas, Main Idea, Text Evidence, Text Structure, Author's Purpose, Direct Quotes/Paraphrase





PASSAGE 5: How Environment Impacts Animal Traits



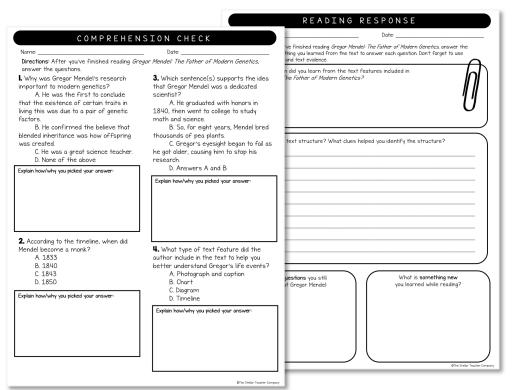
- General Topic: How an Animal's Environment Impacts Inherited Traits
- Text Structure: Cause and Effect
- Text Features: Photographs and Captions, Text Boxes, Headings
- Reading Skills: Evaluate Details & Key Ideas, Text Structure, Asking Questions, Summarize, Direct Quote/Paraphrase





PASSAGE 6: Gregor Mendel

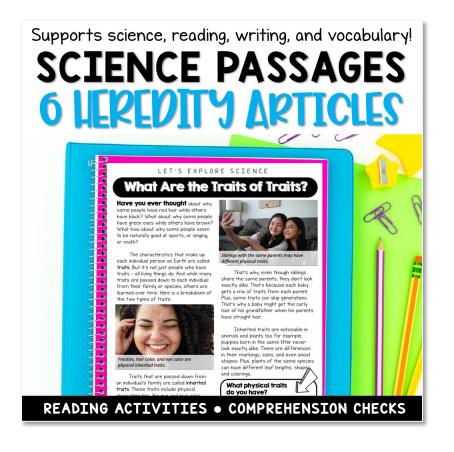




- General Topic: Significant Events in the Life of Gregor Mendel
- Text Structure: Sequence
- Text Features: Photograph and Caption, Timeline, Bold Words
- Reading Skills: Evaluate Details & Key Ideas, Text Features, Summarize, Text Structure, Text Evidence, Direct Quote/Paraphrase

READY TO PURCHASE?

Just click the green "add one to cart" button once you exit out of this preview and you'll be all set to check out.



\$5.00

Add one to cart

Buy licenses to share