

### Megalodon: Not A Myth

Megalodon means, "big tooth." When scientists who study fossils, called paleontologists, found shark teeth measuring over seven inches long, they named this creature, "Megalodon." These huge teeth have been found all over the world. Before scientists classified them as teeth, many people who found them thought they were the tongues of dragons. Paleontologists determined this shark lived in the Cenozoic Era over 15 million years ago. This was several million years after the Jurassic period, when mar

We have been working through these

paired texts and the kids love reading and learning about things they weren't aware of. The questions bring up great discussions and sometimes even research opportunities

too! Great resource! today. The

around. Most likely, these sketches were of rotting whale sharks. One way scientists know the Megalodon isn't still around is that only fossils of the teeth have been foundnone that were recently shed, and sharks are constantly shedding teeth. You don't need to worry about these sharks at your nearby beach!

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# **WAYS TO USE** THIS RESOURCE:

whole group or small group modeling

read and annotate the texts together, then provide the questions for comprehension check, allowing students to use the annotated passages

completely independent practice for students reading above 4th-5th grade level



## Legend of Loch Ness

Although believers still refer to Columba's story, the sightings of Nessie starting in

Megalodon: Not A Myth

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Based on the fossils that have been found, scientists estimate that the Megalodon rew to be as large as sixty feet. Just the Jaw alone is eleven feet wide and nine feet tall.



day. They are extinct, but there are some people who believe drawings i now the Megalodon isn't still around is that only fossils of the teeth have been foundone that were recently shed, and sharks are constantly shedding teeth. You don't

l. How does the photograph in Legend of 2. Why do people believe Loch Ness help support the passage? It looks like a dinosaur. a. It shows how large Nessie really Scientists found its fossils People have heard stories, seen It shows evidence that made people believe Nessie was real. photographs, and detected a large It shows Nessie's flippers. People took an underwater It shows how large the lake, Loch photograph of the monster. Ness, really was. 3. In paragraph 4 of Legend of Loch . What can the reader conclude about the Megalodon after reading both texts? Ness, what does the word skeptic It lived after the Plesiosaur did. It was as large as people believed

someone who believes a hoax

- photographers who take pictures people who tell stories
- someone who doubts what many Which of the following statements is

6. Which detail from the text supports hat the Megalodon could not still exist?

Megalodon was.

The Megalodon probably ate Nessi Nessie was not a myth, but

- No one has seen it. The Megalodon grew to be twenty No one has found any of its teeth recently shed, only the fossils.
- Megalodon teeth could be seven The Megalodon was a shark that
- lived in the Cenozoic Era. The Megalodon's jaw was nine feet
- It never existed- it is a myth. It wouldn't have anything to eat.
- tall and eleven feet wide. . How are the ideas in both texts organized?
- through compare and contrast to show the differences of the sea monster by cause and effect to show why they are both extinct
- with descriptions of the evidence people have of the creatures as a problem/solution to show how people found them still living

Compare the Loch Ness Moneter to the Megalodo

## **FOR EVERY PAIR:**

two levels of each passage for differentiation

digital (self-grading) and printable formats

seven multiple choice questions (each question assessing a different standard)

one constructed response essay prompt

two styles of articles: 2-column and full page

## LEGEND OF LOCH NESS

living in a Scottish lake? Is it possible that a Plesiosaur, a reptile from the Jurassic period, survived all this time and still exists? There isn't much proof, but some people believe it's true. These people believe the stories that have been told about the monster living in the lake, Loch Ness. Scientists will tell you, though, the monster, called "Nessie," is just a hoax'.

The first story was told in the year 565. An Irish monk, Saint Columba, came across some people who were burying a man. The man had been attacked by a water beast. Columba sent a man to swim through the water. When the beast came up, the monk made the sign of the cross. He ordered the monster to leave the man alone. The monster stopped and swam away. Columba's men called

Although people still tell Columba's story, the sightings of Nessie starting in the early 1900s were what grabbed the attention of many. One early story ned on July 22, 1933. George

oday. They are extrict, but there are some people who believe drawings made of

1. How does the photograph in Legend of Loch Ness help support the

It shows evidence that made people believe Nessie was real.

it shows how large the lake, Loch Ness, really was

2. Why do people believe Loch Ness exists? \*

) People took an underwater photograph of the monster.

People have heard stories, seen photographs, and detected a large object with sonar.

It shows how large Nessie really was.

It looks like a dinosaur.

u the Megaladon isn't still around is that only fossils of the teeth have been found-

ished up on beaches many years ago prove that the giant shark is still ud. Most likely, these sketches were of rotting whale shorks. One way scientists with a long, thin neck road in front of their car.

people's minds is a photograph taken by Robert Kenneth Wilson, a London doctor. He said he was looking out over Loch Ness when the monster came out. He grabbed his camera and took a picture. However, skeptics believe it could have been an otter or a bird. The way the photo is cropped, it is hard to decide how big the creature really is.

In 1954, a boat's crew picked up on its sonar a large object that was following the boat. Sonar is a form of technology that uses reflected sound pulses to "see" underwater objects. It is similar to how bats and whales use echolocation. Sonar showed the object was 479 feet below. If followed the boat for nearly 2,600 feet. They believed it had to be Nessie... do



bigger than the Tyrannosaurus Rext Its teeth, however, were about the same size as a T. Rex's, Many scientists believe the Great White Shark is related to the Megalodon, A Great White's feeth are very similar, but they don't get longer

at your nearby beach!

MEGALODON: NOT A MYTH

feet wide and nine feet tall, The Megalodon did exist. It was not a myth. It is a myth that it could still exist loday. They are extinct. But, there are

paleontologists, found shark teeth

named this creature, "Megalodon."

These huge teeth have been found all

over the world. Many people who found

these teeth before scientists thought they

Paleontologists determined this shark

lived in the Cenozoic Era over 15 million

years ago. This was several million years

after the Jurassic period, when many

dinosaurs lived. The Megalodon was

Based on the fossils that have been found, scientists guess, or estimate, that

the Megalodon grew to be as large as

sixty feet. Just the jaw alone is eleven

than three inches.

were the tongues of dragons.

measuring over seven inches long, they

made of sharks that washed up on

giant shark is still around. Most likely,

these drawings were actually of rotting

whale sharks. One way scientists know

the Megalodon isn't still around is that

Sharks are always shedding, or losing.

only fossils of the teeth have been found

teeth and then growing new ones. There

haven't been any new teeth found. You

don't need to worry about these sharks

beaches many years ago prove that the

Use both texts to answer the following question

1. How does the photograph in Legend of Loch Ness help support the passage? It shows how large Nessie really was It shows evidence that made people believe Nessie was real. It shows Nessie's flippers

It shows how large the lake, Loch Ness, really was

2. Why do people believe Loch Ness exists:

Scientists found its fossils

People have heard stories, seen photographs, and detected a large object with

People took an underwater photograph of the monster

3 In paragraph 4 of Legend of Loch Ness, what does the word skeptic mean

photographers who take pictures for newspapers people who tell stories

someone who doubts what many others believe

4. What can the reader conclude about the Megalodon after reading both texts? It lived after the Plesiosaur did.

It was as large as people believed Loch Ness was

The Megalodon probably ate Nessie. Nessie was not a myth, but Megalodon was

Which of the following statements is NOT true? The Megalodon grew to be twenty feet.

Megalodon teeth could be seven inches long. The Megalodon was a shark that lived in the Cenozoic Era.

The Megalodon's jaw was nine feet tall and eleven feet wide

which detail from the text supports that the Megalodon could not still exist?

No one has found any of its teeth recently shed, only the fossils

It wouldn't have anything to eat.

How are the ideas in both texts organized? through compare and contrast to show the differences of the sea monsters by cause and effect to show why they are both extinct with descriptions of the evidence people have of the creatures

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# TWO LEVELS PROVIDED OF EVERY PASSAGE

on grade level for 4-5 AND

on grade level for 6-7

discreet symbols on the passages to denote the level of passage

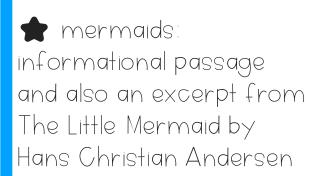
the same questions can be answered no matter the level given



## **PASSAGES INCLUDED:**



giant squid, and lion's mane jellyfish and anglerfish



## **ANSWER KEYS NOTE CORE STANDARDS**

#### Megalodon: Not A Myth

aleontologists, found shark teeth measuring over seven inches long, they named this reature, "Megalodon." These huge teeth have been found all over the world. Before cientists classified them as teeth, many people who found them thought they were the ingues of dragons Paleontologists determined this shark lived in the Cenazoic Fra ove 5 million years ago. This was several million years after the Jurassic period, when man nosaurs lived, yet the Megalodon was bigger than the well-known Tyrannosaurus Rexl vever, were about the same size as a T. Rex's. Manu scientists believe the reat White Shark is related, as its teeth are very similar, but don't get longer than three

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living in the Scottish lake Loch Ness? Is it possible that a Plesiosaur, a reptile from the Jurassic period, survived all this time or proof, but some people believe it's told. Scientists will tell you, though, the monster, called "Nessle," is just a hoax

Saint Columba, came across some people who were burving a man that had been attacked by a water beast

The response may include but is not limited to

thought to live in a lake in Scotland, the Magalodon lived in the oceans all over the world Both were bigger than humans but Megalodon was three times as big as Nessie



He said he was looking out over Loch



#### **GIANT TENTACLES**

swallowed ships whole. was a legend. But it was most likely animal, the alant sauld. This marine alan has been found as long as 59 feet. That's longer than a semi-truck! That also means its eves are as large as your head! Most other animals couldn't see anything it lives. Many agree, though, that the most fascinatina thina about the alan

arms and tentacles are covered with

The two long tentacles are used to catch

prev and bring it to the arms that bring it

to the squid's beak, which is in the center

humans, but instead would release an

creatures that live in the deep?

ubmersible watercrafts

u are giant squids and lion's mar

ey both have large eyes ney both live in large groups

They have used special cameras i take video and photographs.
They have done all of these things

They have gone down in

Another glant tentacled creature of

minescence. All bioluminescent animals produce light because they have a specia through compare and contrast to show the differences of deep sea by cause and effect to show what with descriptions of the d and life that lives there 3. In paragraph 1 of Giant Tentacles, they found the giant squid ase best describes a glant squid? has long stinging tentacles

3. Why did the author include

ns in Deep Sea Discoveries? are more familiar with It

Most people wouldn't think that there is any life in the lowest layer of the ocean. hat's because there is hardly any sunlight. But actually, there is much life in the deep seal In fact, the strangest creatures on Earth live in the deepest part of the ocean some of the odd creatures living there are the giant squid and the anglerfish

Deep Sea Discoveries

How did people discover these animals so deep in the ocean? Some maniiologists (people who study life in the ocean) have gone down in submersible intercrafts to explore Some have sent down special cameras that video and photograph in deep water. That is how the giant uid was found! Even though there is no sunlight that deep, nere is still light. Scientists who have explored the deep have been of swirling, flashing lights. This light comes from the bodies of animals. It's called ioluminescence. Fireflies and glow worms are creatures on land that use

> ea that uses bioluminescence is the comething that belongs in a science have huge mouths filled with sharp e female has a spine coming out of he e a fishing rod. The end of the "rod" has up and attracts prey. She will wiggle close, attracted to the light. Then, she nd swallow it wholel Male angler fish do se they are <u>parasites</u><sup>1</sup>. They attach to the

other organisms by living in them or on them

#### MYTHS OF MERFOLK adapted from the 1836 fairy tale by Hans Christian Andersen

Prince Fric from his shipwreck. This Disney written by Hans Christian Andersen, The sallors, mermalds were actually bad luck

the sallors to point their ships at the rocks hypnotizing them with their begutiful voices, and causing them to crash.

mythology is Triton. He was a Greek god.

would blow into a conch shell like a

There are many sailors ever Christopher Columbus, that have they were most likely seeing Perhaps, seen from a distance





ed the prince and stroked his hair. She hoped that he might live

### The Little Mermaid

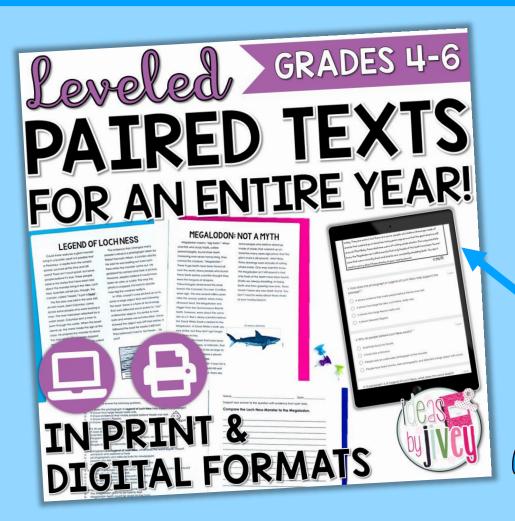
s sparkled in the soft pink sky. The air was warm and fresh. The sea was as alm as a pool. A big ship floated close by with only a single sail set. There was not a bre ame, hundreds of colored lanterns were lit-they looked like the flags of all nations waving he air. The little mermaid swam right up to the cabin windows. Every time she was lifted by he waves, she could see crowds of people through the windows. The handsomest of them ish hung in the blue air, and all was reflected in the calm and alassu se

clored lanterns were put out, no more rockets were sent up, but deep down in the waves are u stronger, great clouds gathered, and it lightened in the ouldn't swim any further in the stormy sea. He would have died if the little mermaid had not me to the rescue. She held his head above water and let the waves take them to the shor

In the marning, the starm was over. The ship was nowhere to be seen. The mermals



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