

Loch Ness Monster Overview of Materials

Just when you think the Loch Ness monster has been thoroughly debunked, up pops another "sighting" and another scientific expedition takes to the Loch. Students become passionate about their belief or disbelief in this mythical monster, and are willing to stand their ground in defending their thoughts! If you're looking for something for the first couple of days of school, an exciting subject for use when you need a substitute, or just a fun day or two to practice the research skills you've been teaching, this may be the unit for you! Here's what you'll find in the unit:



File 1: Materials list, Lesson Plan Suggestion, Standards, Preparation Checklist, Book List and References.



File 2: Student Readers Grades 3-4 Grades 5-6 Students read about the first "Nessie Sighting" as well as other interesting facts about Loch Ness.



File 3: Vocabulary Bookmarks Grades 3-4— red-lined Grades 5-6— blue-lined Coordinate with the Loch Ness Examiner (file 2). Students may use them as they read to decode new words.



File 4: Student Worksheets and Overheads: Reading, Research, Writing, Math, Science, Geography



File 5: Research Cards
Anecdotal records of historical
Nessie sightings which can be
used as center material or to
get students started on research when you can't use the
internet.



File 6: Photography in the Wild Photography is a major aspect of scientific observation. These cards help students examine the difficulties scientific photographers face.



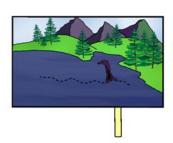
File 7: Vocabulary Study Cards Double-sided cards which explain new vocabulary of the unit. Use with Tracking Nessie game board (file 8) or use at a center or mini word wall.



File 8: Tracking Nessie Game Board game for students to play as they practice new vocabulary of the unit.



File 9: Map
File 10: Drawing Lessons
Students will learn how to
draw mountains and trees
which they may use on their
final art project.



File 11: Art Project Students will make a Nessie puppet and draw and color a background reflecting true information of Loch Ness.

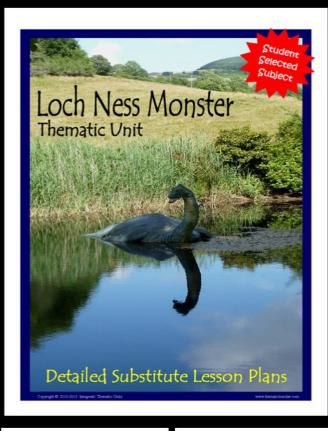


File 12: Lesson Plans for Subs Complete, detailed lesson plans you can leave for a substitute. This is an exciting unit for a special day.



File 13: Task Cards Students can do further research independently using these task cards.

Substitute Lesson Plans



Nessie, of the Loch Lesson Directions

- Prepare all materials and have them readily available
- Get some books from the school library about Scotland,
 Loch Ness, the Loch Ness Monster, and other cryptids
 Set up and cover the independent study center. Uncover
 it at the end of the unit for those who want to do some more research. (Optional)



Students are probably somewhat familiar with studies of animals in the wild. Talk briefly about animals they have studied in the wild, and what they know about these types of scientific studies, without men-tioning the Loch Ness Monster. Make a brainstorm list of what the students already know about how sci-entitist study animals in nature. Explain that today the students will be evaluating evidence collected from a wild animal study.

Photographic Studies

Begin today's unit by playing Animal Hunt. Don't tell the children they are looking for the Loch Ness Mon-Begin today's unit by playing <u>Animal Hunt</u>. Don't tell the children they are looking for the Loch Ness Monster, but explain that they are going to act like scientists using photography to learn about animals in their natural habitat. You can play the game inside or out, but you need an area where there are many obstacles for hiding (a classroom works very well). Use a paper towel tube or two toilet paper tubes taped together to form a sighting scope or inhoculars. (If you have a classroom digital camera, use it instead? Then you can later evaluate the quality of the images the students shoot during the game.) Set up the perimeter of the area where the game will be played. The larger and more crowded the space, the more difficult it will be to locate the "animals." Set up the lookout post, the place where the camera operator will be stationed. (S)he will need to stay in that one spot. The rest of the students will spread out over the area. Animals in the wild are afraid of humans, so the student "animals" should try to hide from the camera operator as they go about their daily tasks. The object is to make it as difficult as possible to get a good camera shot. Turn the lights on or of for (fash them) to simulate changes in weather. Talk about some of the conditions photographers face (i.e., wind, rain, snow, sleet, heat, fog, dirt, mud, etc.). We want to give the students a little taste of the reality of nature photography.

The whole class can play together or in small groups. Play until everyone has had a chance to be the cam era operator. (If there are too many students to allow everyone a turn at this time, play the game throughout the day. A few rounds now will provide the necessary experiences.)



















Loch Ness Monster



climate: CLI muht

the usual weather patterns of an area; weather over a long period of time

cryptid: CRIP tid

a creature whose life has been suggested, but has not been proven by science

cryptozoologist:

CRIP toe zoo ALL uh jist a person who studies evidence that seems to support the existence of animals not yet proven to exist

emerge: ee MERJ

to rise above the surface of the water

evidence: EV uh duns

clues that tend to prove something; a reason to believe in something



Red-lined, Grades 3/4

Vocabulary Bookmarks

Loch Ness Monster



conspirator: cun SPEER uh ter a group of people who work together, usually to do something illegal

cryptid: CRIP tid

a creature whose life has been suggested, but has not been proven by science

cryptozoologist:

CRIP toe zoo ALL uh jist a person who studies evidence that seems to support the existence of animals not yet proven to exist

document: DOCK you munt

- a written piece of paper giving proof or evidence of something
- writing something down as evidence or proof



elaborate: ee LAB rut

to work something out with great care, paying attention to details, and perfection

enigmatic: EN ig MAT ik something that is mysterious, puzzling, hard to understand, or cryptic; an enigma

evidence: EV uh duns clues that tend to prove something; a reason to believe in something

hoax: hohks

- 1) to deceive, defraud, or hoodwink
- a fake

marathon: MARE uh thon a long distance race usually measuring 26 miles

mock: mok

- 1) imitation or fake
- make fun of something

naturalist: NATCH ur uhl ist a person who studies nature or natural events

United Kingdom:

you NIGHT ud KING dum
a European kingdom made up of England, Scotland, Wales, and Northern
Ireland

wake: waik

a wave given off by an object moving rapidly through water

zoologist: zoo ALL uh jist a person who studies animals

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Blue-lined, Grades 5/6

The Loch Ness

EXAMINER

Special points of interest:

- Host recent sighting of the Lech Ness monster:
- Loch Ness is 600-725 feet deep

Inside this issue:

School Children Feiglitened by Constant

Sectioning to the Block

Water Beast Turned Back by Holy Man

up on the other side. His friend, Lugne Mocu-Min swam arves right away. Taking off all but his long shirt, he jumped into the water, but the monster, who was still humpy after just petting a bits, was still hidning in the deep waters of the river. The moving water from Lugne's evintiming brought the monster up to the surface, and with his section of the surface, and with his section. ADOMNAN 565 AD

Earlier this week, a village
man was swimming in the
River Ness, when he was
grabbed and betten by a
water monster. Some men
ran to rescue bim in a
wooden boat. They put
out hooks and cought a
hold of the man's ciothes.
They pulled him into the
boat, but he was already
dead. Today he was buried by the River Ness

sear, out the racy man, who was standing by the side of the river, raised his hand and made the sign of the cross in the air. He called on God and said,



Car Nearly Hits "Prehistoric" Monster

where he had lived his whole life.

A man from the church named Columba, was

named Columba, was walking by the funeral service and stopped to find out what had happened. When the villagers teld him the sad story. Columba asked one of his

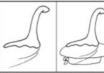
Mr. and Mrs. George Spicer reported earli Mr. and war-Spacer reported earlier today that they nearly hit a strange animal while driving on the road along Loch Ness. At first they

wider than the road, and it scribed the animal as "prehistoric" with a long neck and a large grayish-black body. They said, "It

Mr. Spicer says he sped

the "Ness wonder with a diamond fin." Sightings have been numerous for hundreds of years, but not even use single bone has ever been found. Scientific expeditions, complete with elaborate camera rigs. manned with lookouts located strategically around

Published in 1904 by Dr. R. Kenneth Wilson, the photograph, called the "Surgeon's Photograph," pnotograph, called the "Surgeon's Photograph," shows a long neck rising from the waters of the loch. Dr. Wilson was a distinguished London doctor, and no one imagined he would be part of a hour, but he may well have been. Alastair Boyd, an English art er, and David Martin, a zoologist, were part of



manned with soonouts located strategicaty around the lake have failed to take any good, clear pictures of the enigmatic creature. Now we learn that one of the most famous photographs may indeed be a fake.



Just Another Swimming Elephant?

Neil Clark, of the National Geo-graphic Society believes he has Neil Clark, of the National Geo-graphic Society believes he has solved the mystery of the cryptid thought to be living in Loch Ness. He believes the sightings are of swimming elephants! Swimming elephants in northern Scotland?

It seems that whenever the circus

comes to town, the elephant han-dlers let their charges take a little dip in the deep, cold lake. Swim-ming is good exercise for the huge land animals and the loch, 23 miles long and 1.5 miles wide, gives them plenty of room to stretch their mus-cles. Clark thinks it's the trunk and back of an elephant that view-



Cryptozoologists Study Loch Phenomenon

Cryptoxoclogists sponsored by the BBG spent their summer on Loch Ness, searching for evidence of the Loch Ness Monster. The television company paid more than 1 million. If or a complete search of the loch using 600 separate sonar beams along with satellite tracking. "We went from side to side, top to bottom on this one, we have covered execution in this lock." cop to occom on this case, we has covered everything in this loch and we saw no signs of any larg animal living in the loch," said Ian Florence, one of the speciali who worked for the BBC. The show called Samphine For The show, called Searching For The Loch Ness Monster, was made for BBC One.

Adrian Shrine, a naturalist who Auran Sanne, a natureast who has been studying Loch Ness for years, was the project leader. He told the BBC, "We found some-thing large over near Urquhart Castle, but we believe it was a Castle, but we believe it was a school of salmon, or perhaps a very large seal. We would all be happy to find something, even is is just a really large fish. Then the sightings over the last 1500 years would be convincing!"

Mon as

sound for finding and identifying sound for finding and identifying objects. Sound moves at a steady speed through a material such as air or water, so by measuring how leng it takes a sound wave to reach an object, distance can be measured. The type of sound made when the sound wave hits an object tells what the object is made of. Using sours, escentists are able to 'see' even when they can't use their eyes.

large objects never emerged on the surface, however. A number of sonar searches have been com-pleted on the loch but none of them have provided proof that the Loch Ness monster really exists.

An expedition in the 1970s used a submarine to search for the creature nichnamed 'Nessie'. The lake waters are very deep and darby stained by peat from the neurby sail, so it's hard to see more than a few feet through the water. Sonar is probably the best way to explore the dark and cloudy waters of the deep Scottish

School Children Frightened by Mysterious Creature

er: Real or Hoax?

ing, he, along with his father and step brother, attached the neck and head of a toy dinosaur to the coming tower of a toy submarine and took the picture themselves. They later showed the images to Dr. Wilson and convinced him to publish them as his

Not everyone believes this story. Mr. Spurling is more than 90 years old. Why did he wait 60 years until the other conspirators in the hoox were dead to make his confession. Many toy experts question whether toys of the 1900s would have been able to perform well enough to support the hoox. In spite of the hoox, the hunt goes on.⁵

Just because it hasn't been documented does-n't mean it's not there. Back in 1625, British ex-plorer, Andrew Battel, published this story about an amazing creature in Africa called a pongo:

maning creature in Africa called a peope:

This Pungo is in all preportion like a man, but ...
he is more like a Giord in atotare; then a man;
for he is ever juli, fauid hath a man; a fore, hellow-eyed, with lang hatee gaps his brown. Bits
fow and ever are without helic, and his hands
fow and ever are without helic, and his hands
thicke, and it is a dunnish colour. I. Hee pach
alwaise spon his legs, and carrieth his hands
chaped on the nape of his necks, when he poeth
upon the ground ... They gee many togother,
and kill many Negroes that trausule in the
Woods. .. Thus Pungos are neuer taleva aliay.

"Woods." Thus Pungos are neuer taleva aliay.

"The poeth and the man of the me."

Most Europeans believed such an animal did not exist. It was a hundred and fifty years before biolo-gists identified this creature and gave him the name

Just because it hasn't been docum

Swimming in the Black

INVERNESS, August 12, 1999

these days. Tammy Van Wisse, a long dis-tance marathus swimmer from Methourne. Australia, set a speed record today when she evan the length of the loch. "I have to say this is one of the scariest swims I've ever done. Loch. I'm not a great believer in monsters and what here you, but to actu-ment of the second of the scariest swims I've ever done. Loch, I'm not a great believer in monsters and what here you, but to actu-note the second of the second of the second of the force of the second of the second of the force of the second of the second of the bettom in places. It really does send a shiver down noy spino. The first time I got in I got a real fright. I can understand how the legend has lived on, what with all that mist, and those HUGE mountains." Tammy agreed to swim the loch when a Scotama told her. "Voir're not a real mara-thon swimmer unless you've swum the thon swimmer unless you've swam the loch." Her time of 9 hours and 6 minutes is a new world record and beats the old one by 15 minutes for completion of the 23 mile



Weather and Climate: LN

The weather outlook is good at Lech Ness, as it usually is throughout the year. Although located at a relatively high latitude, (50° 30) temperatures are laye warmer than you might expect because of the Cold Stream winds which Mow in daily from the southwest. Winters are not to severe and snow and ice rarely block the reads. The lake, the largest body of fresh waster in Grean Fettian, remains 44 F year round. Regardless of when you come to Lech Ness you will always need a rainout and unbretta. Although the climate is midt, the daily worther ily. In the

Loch Ness Area Average Monthly Temperature and Precipitation

Month	Average Low	Average High	Av. Precip
January	35'F	42°F	2"
February	34'F	43°F	1.6"
March	37°F	47°F	1.5"
April	39°F	50°F	1.5"
May	44'F	56'F	1.8"
June .	49°F	62°F	1.9"
July	53°F	64'F	2.6"
August	52'F	63'F	2.8"
September	48'F	58'F	2.3"
October	44'F	53°F	2.6"
November	39°F	46'F	2.4"
December	36°F	43'F	2.1"

The LNM Digital, Waterproof Camera

If you're looking for a scientific camera that absolutely has to be ready when you're not, this is the one for

- Self adjusting light settings
- Motion detecting

Don't go to the Loch without it!

Student Newspaper Grades 3/4, & Grades 5/6 4pages (2 pieces of letter sized paper, 2sided)

The Loch Ness

EXAMINER Sample

Volume 1, Issue 56

Special points of interest:

- · Most recent sighting of the Loch Ness Monster:
- Loch Ness is 600-725 feet deep
- · The first written record of the LNM was more than 1,400 years ago

Inside this issue:

Cryptozoologists Study

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Weather and

Climate at LN

Water Beast Turned Back by Holy Man

ADOMNAN 565 AD

Earlier this week, while swimming in the River Ness, a village man was seized and most savagely bitten by a water beast. Some men quickly came to his rescue in a wooden boat. They were able to put out hooks and caught hold of the man, dragging him into the boat, only to find he was already dead. This morning he was buried alongside the river he had lived on his whole life.

Columba, a leader of the church and a blessed and holy man, came upon the funeral services as he was walking along the river. When the villagers told him of the tragic event, Columba ordered one of his companions to swim across the river and bring back a sail boat that was on the other side. Lugne

Mocu-Min obeyed without delay. Throwing off all his clothing but his tunic, he plunged into the water, but the monster, whose appetite had not been satisfied by biting alone, still lurked in the depths of the river. Feeling the disturbance in the water caused by Lugne's swimming, it suddenly swam up to the surface, and with gaping mouth and great roaring, rushed towards the man swimming in the middle of the stream. All the watchers were struck down with extreme terror, but the blessed man, who was watching, raised his holy hand and drew the saving sign of the cross in the empty air. Calling on God he said, "You will go no further. Do not touch this man; turn back speedily!" Then, hearing this command of the saint, the



"Preacher" Painted in 1754, shows Saint Columba with the Picts of Scotland.

beast, as if pulled back with ropes, fled terrified in swift retreat, although it had before approached so close to Lugne as he swam that there was no more than the length of one short pole between the man and beast. Seeing that the beast had withdrawn and Lugne had returned unharmed and safe, everyone with great amazement praised the God of the Christians. 1

Car Nearly Hits "Prehistoric" Monster

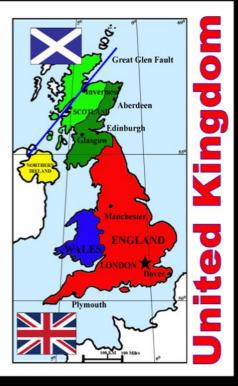
INVERNESS July 22, 1933

Mr. and Mrs. George Spicer reported earlier today that they nearly struck a strange animal while driving on the road along Loch Ness. At first they claimed it was about six feet in length, but later, realizing the animal

was wider than the road, decided it must have been closer to thirty feet long. They described the animal as "prehistoric" with a long neck and a large grayishblack body. They said, "It shambled across the road. waddling like a seal, and slithered into some bushes before splashing into the dark waters of the lake."2

They were about 150-200 yards away from the animal, they say.

Mr. Spicer says he accelerated in order to catch up to the creature, but he wasn't able to reach it before it slithered into the bushes. The Spicers were returning from a vacation in northern Scotland.



Scottish Highlands Today you are going on a scientific expedition to the highlands of Scotland. Complete the worksheet to help you learn more about the area Scotland is a part of the United Kingdom, which is made up of four regions: England, Wales, Scotland, and Northern Ireland. Use your social studies textbook or an atlas to help ___Inverness ___Edinburgh Plymouth Manchester Dover Aberdeen Glasgow Locate each of the regions on the map and color Northern Ireland Scotland is divided into two regions: the high-lands and the lowlands. Darken the lowland section on the map so it stands out from the Loch Ness is located in the highland region of Scotland, which is cut in half by the Great Glen Fault, a deep break in the earth's crust that extends across Scotland and on into Ireland. Use a ruler to draw a line through the fault with Loch Ness is located in the Great Glen Fault. The River Ness runs from the sea to the start of the loch, which is about 10 miles upstream from Inverness. Use the map scale to draw the lengt of the river and then outline the loch. It will be a little hard in the small space!

5

Diving Deeper

Into Loch Ness

The highlands of Scotland have been formed by glacial carving. They contain deep valleys, bedrock shaped by ice, caves, and rock steps. Deposits in the rock layers include fossils of plants and animals living there long ago. The highland region is cut in half by the Great Gler Foult, a deep break in the earth's crust that extends across Scotland and on into Ireland. You can see it clearly by looking at a map. It is this fault region that you will be visiting today as you journey to Loch Ness in search of Nessie, the Loch Ness monster.

Directions: Use the Internet or encyclopedias and books from your school's library to find out some of the information you'll need as you prepare for your scientific expedition. Record your information on the next page, using words, pictures, and graphs or tables. Here are some ideas to get you on your way:

Take a trip to Loch Ness via an internet mapping website. You can fly right above the lake while viewing a satellite image. Find the town of inverness, the capital of the highland region. Follow the Ness River to the west until you reach the loch. Cruise along the shores to gather as much information about the area as you can. Look at the landforms, plants, and buildings located around the lake. Don't forget to examine the water—one scientist thought he saw the monster on a satellite image!

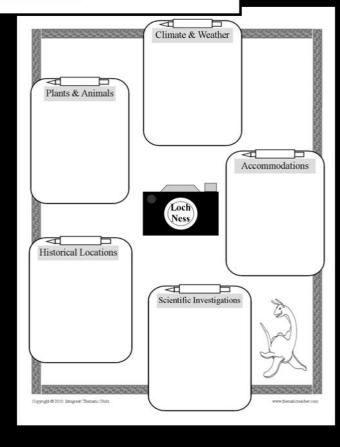
Plants and Animals: Find out what the common plants and animals are in the Scottish Highlands, especially around Loch Ness. How would this affect your scientific expedition to the area?

Accommodations: Many scientific groups set up a base camp on the lake, with lookout stations set up strategically around the lake. Other groups, especially now that sonar is the primary method of investigation, stay in local hotels. Decide which you think would be the best idea and then collect information you would need to arrange your visit. List all the items you'd need to purchase for a camp site (include prices of each item, and where you could buy supplies), or find a hotel to stay in (include the price, places to eat, location, and directions on how to get there).

Climate and Weather: Find out some climate data for the area, and then look at current weather fore casts. Is this the best time of year for a scientific expedition to Loch Ness? When is the best? What type of clothing should you pack for the trip? Are there any other special items you will need?

Historic Locations: Urquhart Castle is one of the favorite "Nessie-spotting" sites on the loch. Learn more about it, or other historic locations that catch your interest.

Scientific Expeditions: Find out some of the methods used by scientists in the past. How successful have they been? What new ideas do you have for locating this illusive animal?



Geography, Social Studies



Nessie Sightings

Build a Database

There have been hundreds of "Nessie sightings" over the 1,500 years since the first encounter was reported. In 1933, Mr. and Mrs. George Spicer were returning from their vacation in northern Scotland. As they were driving along the side of Loch Ness they encountered a large. "prehistoric monster" cavaling across the road. Their report of the experience sparked a new interest in the fabled beast, all around the world. Since then, rarely has a wax road by without convene reporting new order. has a year gone by without someone reporting a new one. Together our class is going to build a data base of sightings.

- Look over the sample below.

 Do an internet search of "Loch Ness Monster Sightings." Skim over the many that are available and select one that interests you.
- and select one that interests you.

 Tell me which sighting you will cover so I can make sure no one else studies that one. We want
 each person to cover a different sighting so we can get as much information as possible.

 Make sure you can verify the sighting by locating it on three different websites.

 Fill in the information on the "Sighting Card."

Official, Verified Sighting: Loch Ness Monster

Official, Verified Sighting: Loch Ness Monster Person Making the Sighting: Nr. and Mrs. Gorge Spicer Date of the Sighting: July 22, 1933 Cocation: Between the villages of Dores and inverfarigalg Circumstance: Driving on road along the loch. About 150-200 yards away. Accelerated to try to catch up to the animal, but it walked across the road and into the bushes before they got there. The animal went into the lake waters.

Reported Appearance of Animal: "Prehistoric animal." They thought it was 6-8 feet long until they realized it was bigger than the road; then they said it was 30 feet long. Thick body, long neck, gray-ish, something flapping near where neck joined body (it's tail?), moved along with jerky movements

Author of Article	Article Title	Website Title	Website Organization	Date of Information
	The Evidence	Legend of Nessie	Legend of Nessie	August 30, 2010
	The Loch Ness Monster	Cahill Web	Scholastic	August 30, 2010
	Sightings on Land	It's Out There	Official LNM Fan Club	August 30, 2010

Person Making the	Sighting:			
Date of the Sightin	g:			
Location:				
Circumstance:				
Reported Appeara	nce of Animal:			
References:				
	Article Title	Website Title	Website Organization	Date of Information
	Article Title	Website Title	Website Organization	Date of Information
References: Author of Article	Article Title	Website Title	Website Organization	Date of Information
	Article Title	Website Title	Website Organization	Date of Information

Data Base Collection

Name	Date
Ne	essie Sightings Sort the Database
	ngs
With 5-6 other people, sort your di many you found for each category.	latabase cards into these categories. Write down how . Then finish the rest of this page.
Sort your cards into three more cat	tegories. Write the categories here:
show ways in which the animals sig the characteristics that ALL animals NOT shared in the rectangles (one	s on each card. Fill in the diagram (on the back) to ghted at different times are alike and different. Put all is share in the circle. Put the characteristics that are rectangle for each of the sightings reported by your gightings that share SOME characteristics.
Organyld © 2000 Stingreel Therador Outs	www.thenuto-tracher.com

	MEN VERY MEN		Sightin atabase, con	2.7
Sighting Date:	Characte	ristics in Common	Sighting Date:	
Sighting Date:			Suppling Date:	\equiv
Sighting Date:	Sighting Dat	le:	Sighting Date:	<u> </u>
onclusion: What conclusion	ons can you draw by loo	oking at the information	n in your database?	

Data Base Work-Internet

Students write a newscast based on a historical sighting of Nessie they have researched.

Official, Verified Sighting: Loch Ness Monster

Person Making the Sighting: Roderick Matheson

Date of the Sighting: 1885

Location: in the water, no other information

Circumstance: the animal was moving forward in the water

Reported Appearance of Animal: He said, "It was the biggest thing I ever saw in my life." It had a neck like a horse with a mane.

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32 Research Cards

Mr. and Mrs. George Mackay were driving along a newly constructed road, General Wade's Military Road, on the shores of Loch Ness on April 14, 1933. The water was as still as glass, when suddenly Mrs. Mackay saw violent splashing as if two enormous ducks were fighting. When the thrashing stopped, a large wake developed, caused by something huge moving through the water. Then she saw two huge black humps appear above the water. The back hump was larger than the one in front of it. The distance from one hump to the other was approximately 20 feet. Mrs. Mackay watched the humps move along for a while, turn left, and then submerge, leaving behind a big disturbance in the water.

Source: Dinsdale, Tim. The Story of the Loch Ness Monster. London: Wyndham Publications, 1973.

Confirmation: 5

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CATEGORY	4	3	2	1
Organization	The newscast is very well or- ganized. The facts are clear and presented in a good se- quence.	The newscast is clearly organ- ized. The facts are clear, but not always in the correct se- quence.	The newscast is a little hard to follow. The facts are jumbled up.	The newscast doesn't make sense. It's hard to under- stand.
Newscast Style	All of the newscast is focused on one sighting of Nessie. It answered all of the who, what, where, when, and how questions.	Most of the newscast is fo- cused on one sighting of Nes- sie. It answered most of the who, what, where, when, and how questions.	Some of the newscast is fo- cused on one sighting of Nes- sie. Some of the questions were not answered, or were confusing.	The newscast mixed up multiple sightings of Nessie. It did not attempt to an- swer any important ques- tions.
Accuracy	All facts presented in the newscast were accurate and documented.	Most facts presented in the newscast were accurate and documented.	Some of the facts presented in the newscast were accurate, but no documentation was given.	Many of the facts presented in the newscast were not true.
Presentation	The newscast was presented in an interesting and enter- taining way. The words were clear and easy to hear.	and entertaining way. Most of	The newscast was not very interesting. Sometimes the words were unclear and hard to hear.	The newscast was hard to hear and the words were unclear. It was hard to follow and understand.
Media Support	There were a lot of helpful images, maps, and material to help explain the information.	There were some helpful images, maps, and material to explain the information.	There was not enough helpful images, maps, and materials to make the information clear.	There were not any images, maps, or other materials in the presentation, or they were very confusing.

Writing a Newscast

Name Date



Monster Math

Follow the directions given in each problem.

- Adomnan wrote that the first encounter with a strange animal in the River Ness occurred in 565 AD. How many years ago was that?
- 2. Mr. and Mrs. Spicer at first claimed the creature they saw was six feet long. When they realized it was wider than the road they changed their estimate to thirty feet in length. Using a scale of 1:4 (1/4 of a inch=1 foot) draw a line that represents 6 feet on the graph paper below. Underneath it draw another line that represents 30 feet. Label each line.

Does the Spicer's mistake seem reasonable? Why or why not?



- In 2003, the British Broadcasting Company (BBC) spent more than 1 million £ (pounds) to pay for a complete search of Loch Ness. In June of 2003, the exchange rate for changing US dollars for UK pounds was 1.638999. To find out how much the project cost in US dollars:
 - A. Divide 1 (US dollar) by 1.638999 (UK pound). (You may use a calculator.)
- In 1994, Christian Spurling confessed to creating a photograph of Nessie that was a hoax. He was 93 at the time. In what year was he born?

The photographic hoax was published in 1934. How old was he when he created the photograph?

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Unashort Carrie, Loch Neur: Photo by Pasperheim, via Wikimedia Common

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Monster Math, cont.

5.	Andrew Battel reported in 1625 that "Pongos are never taken alive because they are so strong, that
	ten men cannot hold one of them." If an average African man in 1625 weighed 160 pounds, how
	much would 10 of them weigh?

How heavy do you estimate a pongo would have to be, to be stronger than 10 men?

Why?

 Loch Ness is 23 miles long and 1.5 miles wide. These measurements are given in standard units, which is the primary measurement system of the United States. Great Britain (the United Kingdom) uses the metric system as their primary unit of measure.

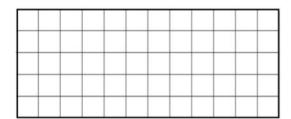
1 mile=1.609 kilometers

To change miles into kilometers, use this formula: miles X 1.609=KM

Use a calculator to help you figure out the size of Loch Ness: Length _____

Width _____

7. Use the Weather Chart on page 4 of *The Loch Ness Examiner* to graph the low and high average temperature OR the rain in the area of Loch Ness. Label your graph and the X and Y axes.



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Math-Measurement

Loch Ness Monster Puppets

Materials:

- 1 piece 12X18 inch white drawing paper
- · 1 piece 6X9 inch tag board
- · crayons, markers, or water color paints
- popsicle stick
- scissors
- glue



Directions:

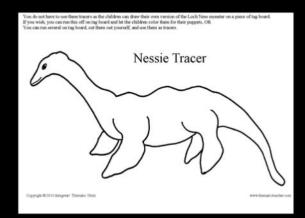
To make the puppet background:

- On a piece of large white drawing paper, using a pencil, lightly draw the setting for the Nessie sighting you are reporting. Add any landforms, plants, animals, roads, rocks, etc. that will help your audience learn more about the sighting.
- 2. Draw the person who made the sighting.
- Make any changes you want and then color your background using either crayons, markers, or water color paints. Set it aside to dry, if necessary.

To make the Nessie puppet:

- With a pencil, lightly trace or draw an image of Nessie that accurately represents the animal of your sighting. Make any changes needed.
- Color the puppet using crayons, markers, or v to dry, if necessary.
- With a pencil, lightly draw a line across the a ground of your background—wherever Nessie Cut along the line with your scissors.
- When the puppet is dry, cut it out and glue it dry.
- When you are ready to read your newspaper puppet scene as if you were a television repo your puppet while you read the newsflash.

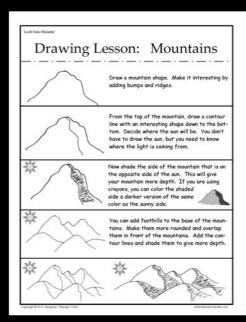
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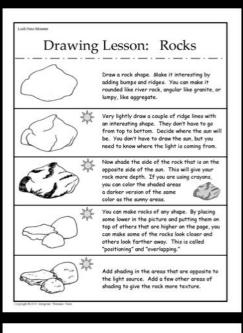


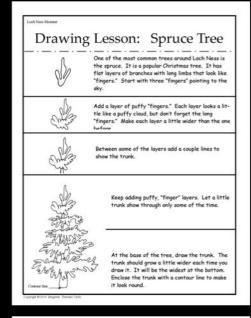


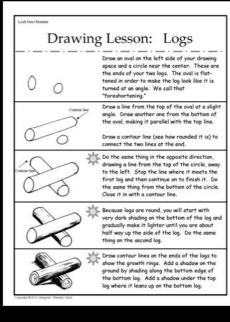
Art Project

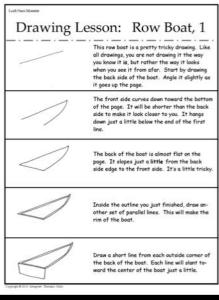
Students read and follow directions to complete a project for their newscast

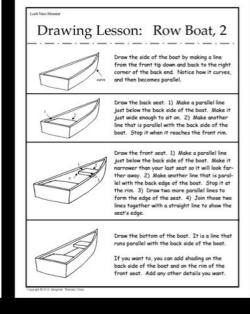








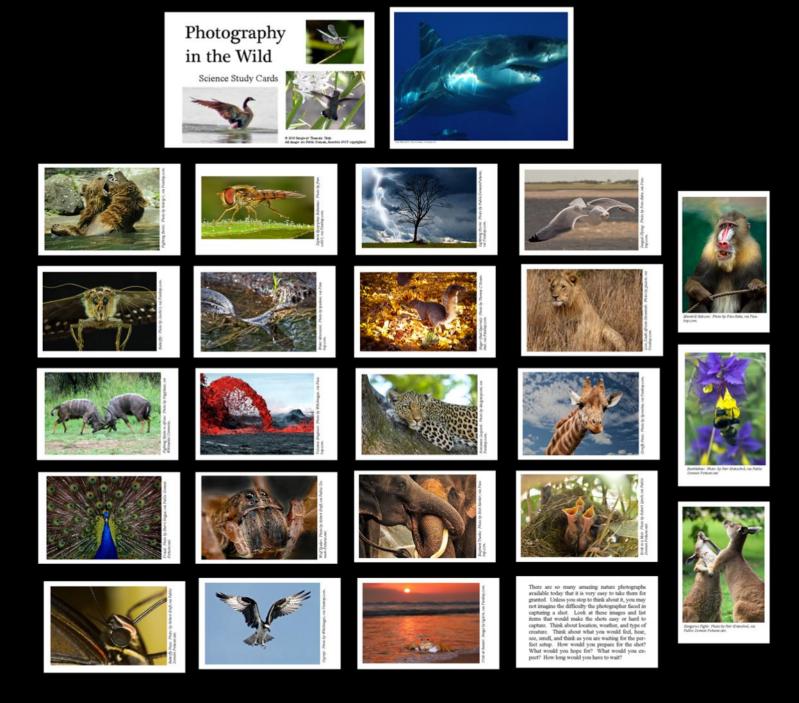




Drawing Lessons

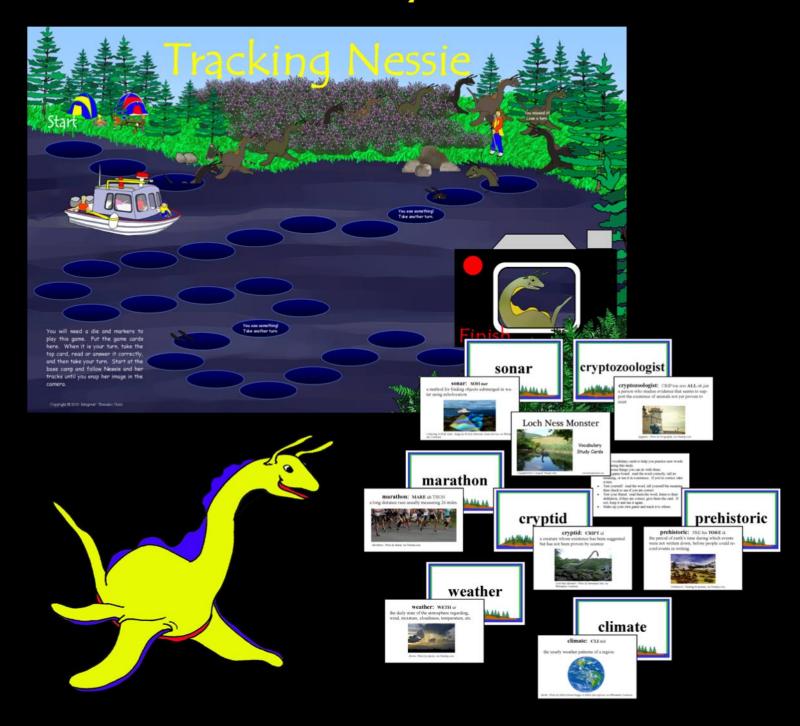
Students listen, watch, and follow directions to learn basic drawing principles, which they can use in their art project.

Photography in the Wild



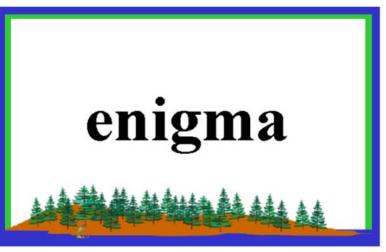
Students explore the role of a photographer in scientific studies.

Vocabulary Practice



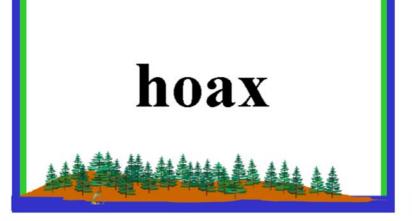
Students practice new vocabulary words with the "Tracking Nessie" game board and the Vocabulary Study Cards.



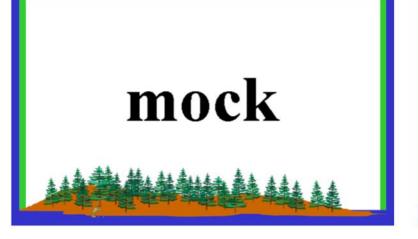












document

enigma: uh NIG muh

something that is mysterious, puzzling, not understood; cryptic, enigmatic



What?: Image by geralt, via Pixabay.com.

elaborate: ee LAB rut

to work something out with great care, and attention to details and perfection



Elaborate Ceiling: Photo by orangem, via Pixabay.com.

zoologist: zoo ALL uh jist

a scientist who studies animals



Scientists Tag Turtles at Diego Garcia: Photo by U.S. Navy photo by Mass Communication Specialist Seaman Eric A. Pastor, via Wikimedia Commons.

conspirators: cun **SPEER** uh ters a group of people who work together to do something, usually something that is illegal



Conspiring: Image by geralt, via Pixabay.com.

pongo: PONG goh

a type of ape, usually associated with

orangutans



Orangutan: Photo by Mick Lissone, via Public Domain Photos.net.

hoax: hohx

to deceive, defraud, or hoodwink; a fake



Loch Ness Monster: Photo by Immanuel Giel, via Wikimedia Commons.

document: DOCK you ment

- 1) a written piece of paper providing proof or evidence of something
- 2) writing something down to prove its fact



Archeology Dig: Photo by James DeMers, via Pixabay.com.

mock: mok

- 1) imitation or fake
- make fun of something



Loch Ness Monster: Photo by Immanuel Giel, via Wikimedia Commons.



12 Task Cards with Template

