



Animal Senses

What I Will Be Learning In This Mastery Badge:

In this mastery badge we will discover that animals do not have all the same senses that we do.

What This Packet Includes:

It is important that you complete all aspects of this packet so that you gain the knowledge and skills that we are working on.

- I. **Discovering Lab**
A discovering lab is a fun, introductory lab, where we discover the knowledge on our own.
- II. **Video Instruction**
You will watch a video presented by Mr. Bertoch, and answer questions about it.
- III. **Literacy Practice**
Reading and writing are critical life skills, and also very important to science. You will read the assigned article and complete a writing prompt.
- IV. **Applying Lab**
An applying lab is how you pass off the Mastery Badge. It serves as the quiz. It is a hands on demonstration that you have mastered the skills and content of this badge.

Key Things We Will Learn In This Mastery Badge

Some of the most important things we will learn in this mastery badge:

- Most mammals share the same five senses that humans have.
- Some animals like dolphins, bats, turtles, sharks, and others have additional senses.
- Other animal have more refined or less refined senses.
- Some animals have fewer or even no senses.

Name: _____

Date: _____



Discovering Lab

Learning Through Hands
On Activities



Discovering Animal Senses

Making your own discoveries.

Scan This QR Code To Watch Mr. Bertoch Give You Directions For
This Assignment



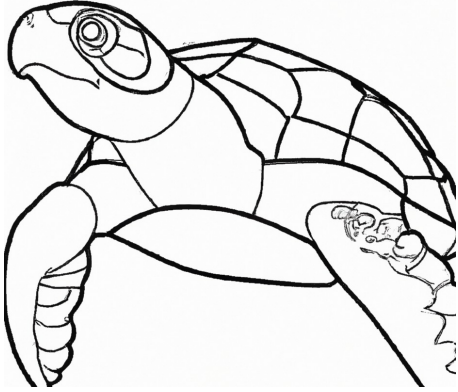
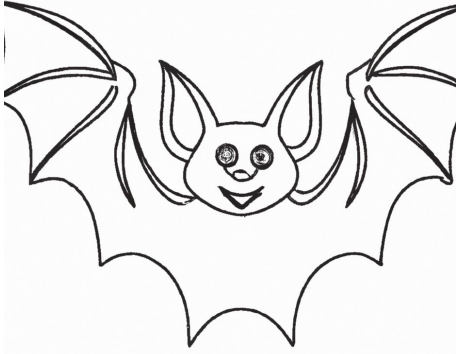
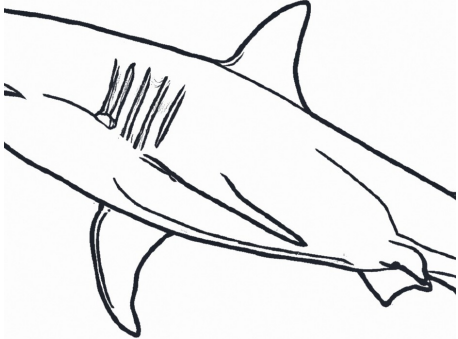
Animals Don't All Have The Same Senses

Scientists do a lot of research. In this lab, you will use the Internet, books, or other resources to learn about the senses of different types of animals. You will discover that not all animals have the same five senses. Some have more while others have less.



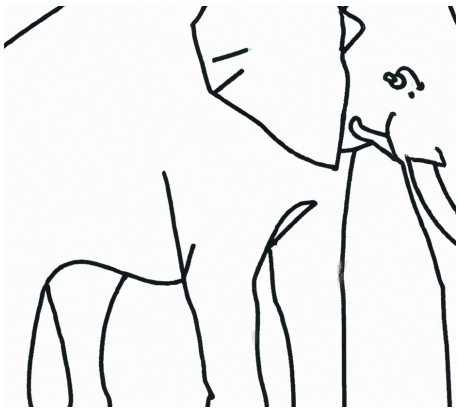
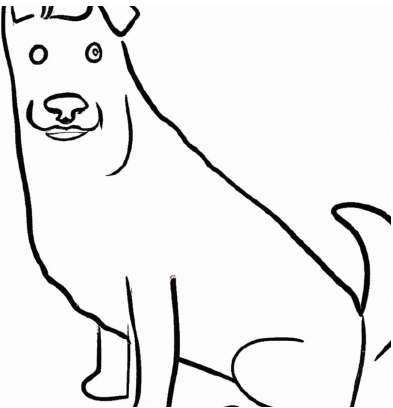
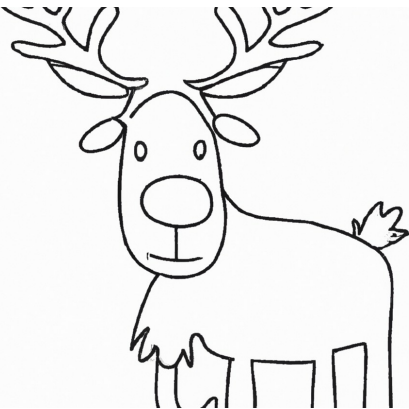
New Senses Beyond Human Ability

Each animal listed below has special senses beyond what a human can detect. With adult supervision use the Internet, books, or other resources to learn about these senses. Then write a one-sentence summary discussing each one.

	Animal	One Sentence Descriptions
	Sea Turtle	<p>Sense: Sea turtles are able to sense something that we can't. They use this sense to help them navigate around the world's vast oceans.</p> <p>Describe This Sense:</p>
	Bat	<p>Sense: Bats are able to sense something that we can't. They use this sense to help them navigate in very dark places and find prey.</p> <p>Describe This Sense:</p>
	Shark	<p>Sense: Sharks are able to sense something that we can't. They use this sense to help them detect the muscle movements of prey.</p> <p>Describe This Sense:</p>

Same Senses But Not The Same

Each animal listed below has senses that are similar to those of humans. However, they work a little bit differently. With adult supervision use the Internet, books, or other resources to learn about these senses. Then write a one-sentence summary discussing each one.

	Animal	One Sentence Descriptions
	Elephant	<p>Sense: Elephants are able to call out to one another at a distance of up to six miles using a sense of hearing that is different from ours.</p> <p>Describe This Sense:</p>
	Dog	<p>Sense: Dogs can see, but they can't tell the difference between many colors. Their ability to see is different from ours.</p> <p>Describe This Sense:</p>
	Arctic Reindeer	<p>Sense: Arctic reindeer can see details in the lichens they eat, and also in the fur of wolves that we can't. Making it easier for them to spot food, and avoid predators.</p> <p>Describe This Sense:</p>



Questions That Make You Think:

Always answer thinking questions using complete sentences.

1. Why do you think different animals have different senses? Explain your answer.

2. Do you think it would be better to have more senses or fewer senses? Explain your reasoning.

3. Some animals, like worms, have very few senses. Others, like sponges, don't have any. How do you think this affects their ability to survive?

4. Some snakes can sense the heat of their prey from a distance. Allowing them to "see" the animals in the dark. How might this help the snakes? Be detailed.

Video Instruction

Reviewing The Teacher's Instruction At My Own Pace



Handsome Science Teacher One Take Videos



Good Job On Completing The Discovering Lab!
Now let's connect your discoveries to the vocabulary. Mr. Bertoch has created a video for you to watch.

Take Your Time, Pause And Rewind As needed
You are not in a hurry! It is more important that you understand the video than that you finish it quickly. Take your time. If you don't understand something, pause the video and discuss with an adult.

When you finish this video, you should have a good understanding of the concepts that have been taught. If you find yourself confused, rewind, and rewatch.

The Video For This Mastery Badge Can Be Opened Using This QR Code

This Mastery Badge includes one video:



Watch The Assigned Science Video
Scan This QR Code To Open And Watch The Assigned Video For This Mastery Badge

Check Point

I watched the video carefully, and understood what Mr. Bertoch taught me.
(If not, that is okay. Watch the video again, and discuss it with an adult)

What I Learned From This Video



One very powerful way to help yourself remember what you learned from the video is to summarize it in your own words and in the form of pictures.

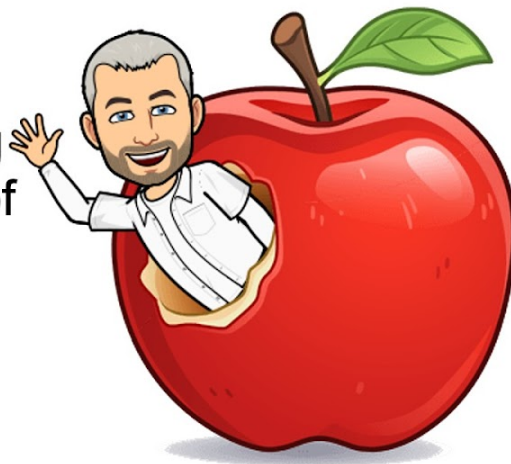
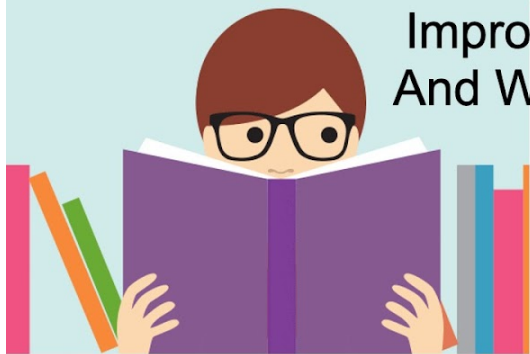
Write one sentence in your own words explaining what you learned from the video. Then draw a picture of something you learned from the video.

What I learned from this video (One Sentence):

A picture of something I learned from the video:

Literacy Practice

Improving Our Reading
And Writing In Search of
Knowledge



Activity: Reading And Writing



Directions: Reading and writing are very important life skills. Good scientists must be able to learn through reading and communicate their own discoveries through writing.



Scan This QR Code To Watch Mr. Bertoch Give You Directions For This Assignment

1. Practice Reading For Understanding

Read the article below **for understanding**. Reading for understanding means that you take your time and monitor your own learning. If you get to the end of a sentence and you do not remember or understand what you read, **re-read it**.

2. Practice Writing To Communicate

Complete the writing prompt below. Do your very best to write clearly so that others will understand what you are saying. This means using correct spelling, grammar, and writing, taking your time to think about the best ways to clearly communicate to others the main ideas that you are trying to get across to them.



Read The Assigned Article Carefully For Understanding.

<https://handsomescienceteacher.com/Online-science-classes-kids/animal-senses/>

Scan This QR Code To Open And Read The Article That Goes With This Mastery Badge

Check Point

Let's make sure that you really did read for understanding!

Remember that it is important to hold yourself accountable to a high standard and to take pride in your own success as a learner.

I Read For Understanding. I did not skim the article. I understood the material that the article discussed.

Quiz Time

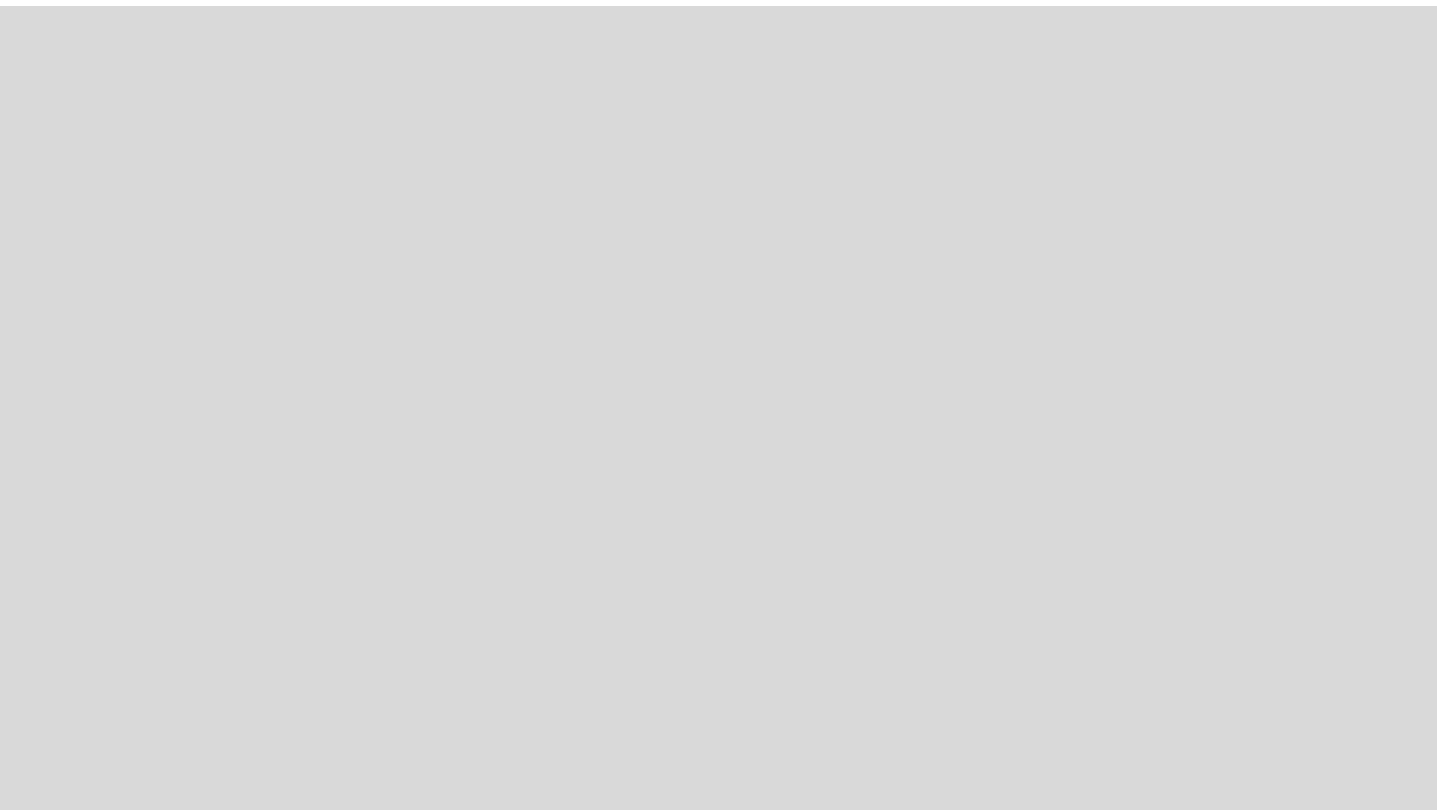
Complete the quiz at the end of the article and post your score in the box below. Your goal is to get at least 75% on the quiz. Did you accomplish this goal?

%

Now Let's Write To Communicate

Remember that when you write to communicate you are taking your time, and explaining the topic in a detailed and concise way. Don't rush! You are not in a hurry. Think about what you are going to say, and plan how you will say it. So that someone else who reads your sentences will understand them easily.

Writing Prompt: Write two sentences describing how animals use their senses to survive.



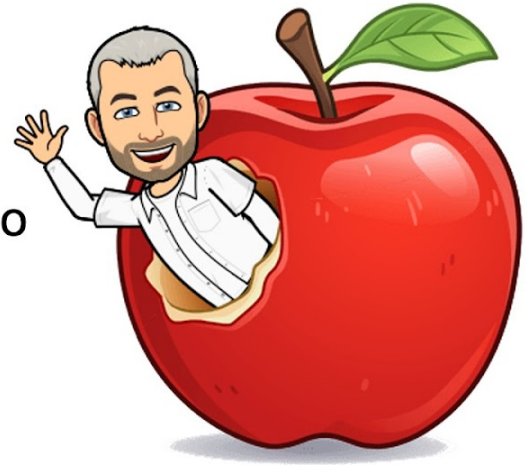
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Date: _____



Applying Lab

Proving That We Can Do It Ourselves



Applying Animal Senses

Applying What We Have Learned.

Scan This QR Code To Watch Mr. Bertoch Give You Directions For This Assignment



The Sensimatic Hat

Everyone here at Acme Corp. is super impressed by your invention, and we can't wait to mass produce it. Err... what exactly does the Sensimatic Hat do though? None of us can quite figure it out. But, we totally love it!

The Sensimatic Hat Allows Humans To Sense...

Describe a new sense that your invention gives to humans. Be creative!

Example: It allows you to sense 30 seconds before someone else is going to fart so that you can leave the room and not be choked to death by the toxic fumes.

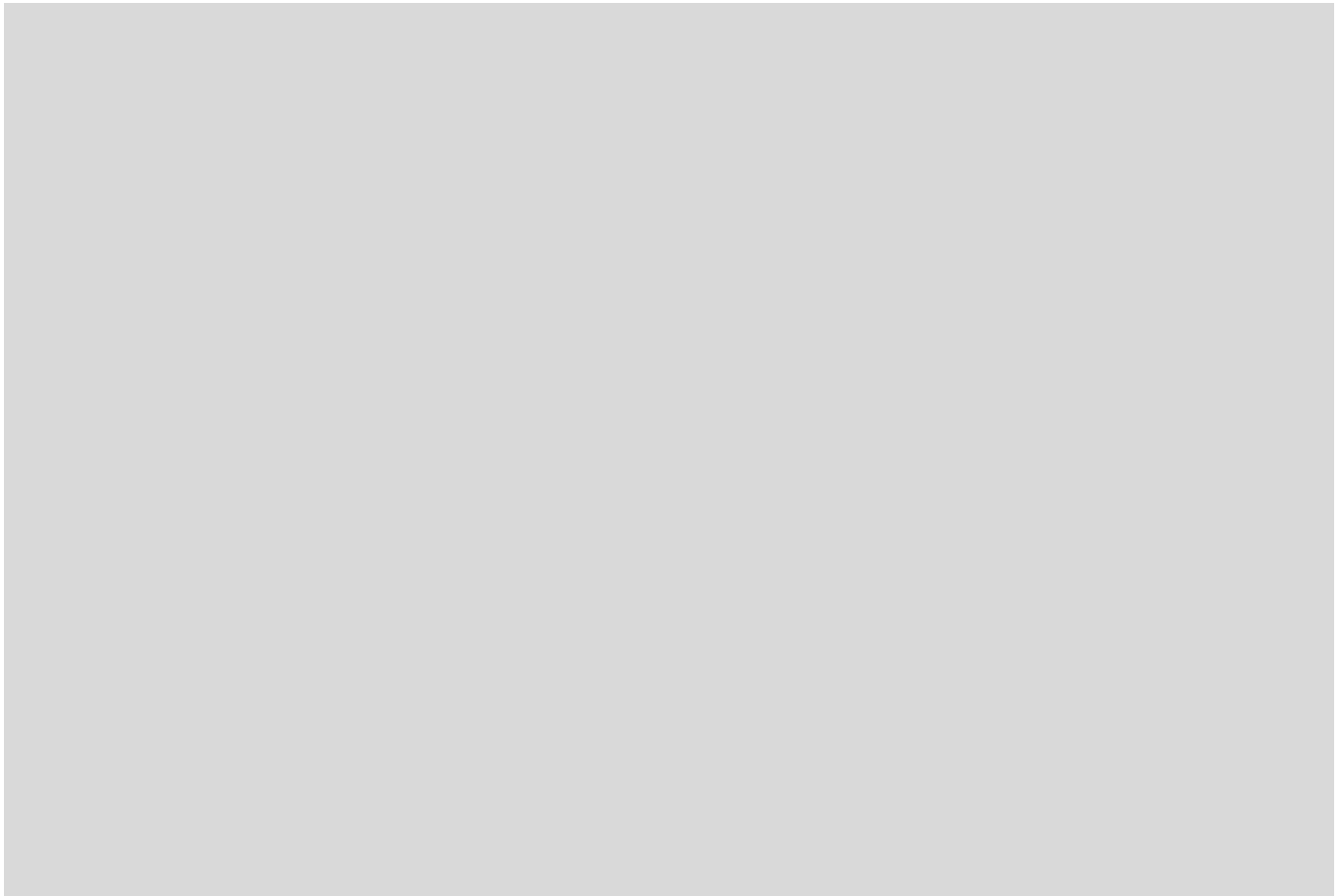
Oh, right, right, we totally knew that this is what it did! But, how are we going to sell it to the public?

Write a script for a commercial that can be played on the radio to sell your hat to the public. In this commercial talk about the benefits of having this new extra sense.



Great Job! Now for a billboard!

Design (draw) a billboard that can be put on the side of the road to advertise The Sensimatic Hat.





Congratulations! You Have Completed The Entire Mastery Badge

You have worked really hard to earn this mastery badge. More importantly, you have worked hard to earn your knowledge!

Time To Evaluate Your Work

Check each of the following to evaluate your work:

1. Did you do every assignment?
2. Did you read the assigned article?
3. Did you watch the assigned video?
4. Did you answer all the questions using complete sentences?
5. Are your answers accurate?

My Self-Evaluation:

Based on the criteria listed above, I believe I have passed off this Mastery Badge because...
(Be detailed and specific)

[Large gray rectangular area for student self-evaluation]

Mastery Badge Counselor Evaluation:

I have reviewed this student's work. Based on the criteria listed above I hereby certify that they have passed off the Mastery Badge because... (Be detailed and specific) Note: Any adult may serve as a Mastery Badge Counselor, so long as they are committed to ensuring the highest standards of excellence.

[Large gray rectangular area for counselor evaluation]

Student's Signature

Date

Signature of Mastery
Badge Counselor

Date

Certificate For Your Homeschool Records

The following certificate which has been awarded through self-evaluation by the student, and also certified by a mastery badge counselor proves that the student listed thereon has completed all the work and has mastered all the concepts for the specified topic.

Keep this on file as evidence of your successful completion of this topic.

If audited by the State, these certificates stand as evidence that you have worked on and successfully completed a rigorous science curriculum.



Handsome Science Teacher Industries

Mastery Badge Certificate

Topic: Animal Senses

Student Name: _____

This certificate certifies that the person named above has completed all of the requirements to earn this Mastery Badge.

MASTERY BADGE COUNSELOR SIGNATURE

DATE AWARDED

