

## Senses

<p><b>LCM Lesson Plan:</b> Senses</p> <p><b>Standards:</b> Science B1, B5, C1, A-12. A-14 Math A5 Language Arts A4 Cultural A-3</p> <p><b>Science concept:</b> Human and animals use their senses to survive.</p>	<p><b>Name</b> Ida Murray Bering Straits School District</p> <p><b>Grade level</b> 3-4</p>	
	<b>Process Skills</b>	<b>Materials</b>
<p><b>Gear- Up</b> Ask: Choose an animal. Can you predict which of the five senses your animal (of choosing) relies on most for survival. Explain your reasons for making your predictions. Students will be encouraged to pick animals relevant to their culture. Ask: Why do animals need their senses to survive?</p>	<p>Predict Communication Inference</p>	<p>Chart paper</p>
<p><b>Explore</b> Students will rotate through five sensory stations in two days. 1. Students will participate in five stations that explore the senses (see list below). 2. Students will construct a chart that lists their predictions, lists the senses their animals use in order to survive, identifies how the senses were used (to find shelter, defense, etc), and explains why this is an important sense for the animal to have</p>	<p>Observation Inference Questioning Communication</p>	
<p><b>Generalize:</b> Ask: What happens if one of the sensory needs is absent for your animal's survival? Ask: What kinds of objects/things does your animal's senses help it identify in its environment? (these responses should include food, shelter, water, climate, defense) Ask: How do the senses help the animal survive? Ask: Does your animal use one sense more than the others? Why or why not?</p>	<p>Drawing conclusions Making inferences Communication</p>	<p><b>Vocabulary</b> Organisms Characteristics Senses Survival Environment Defense</p>

<p><b>Apply/Assess</b>          Create a two circle Venn diagram, using chart paper and magazine pictures, which depicts how your animal and humans use their senses to survive in the local environment. Write a brief paragraph comparing and contrasting how and why animals and humans use their senses.</p>	Drawing Conclusions Graphing Inferring  Communication	Venn Diagram Books Magazines Glue scissors
<p><b>Extensions:</b>  <b>Compare and contrast two animals and the senses they use.</b>  <b>Create a three circle Venn diagram depicting how three animals use their senses.</b>  <b>Explore what senses an animal would use most in a different ecosystem (desert, rainforest).</b></p>	Inferring Questioning Communication	

### Stations

At the stations students will explore what senses their animal uses. They will compare their findings with their predictions. Be sure and note any additional objects or things your animal might use a specific sense for when you are at that station.

Station #1	(Sight) Using your sense of sight, identify things your subject might see in its environment.
Tools:	Light, berries, water, ground, colors, outdoors, indoors, etc.
Station #2	(Hearing) Using your sense of hearing, identify things your subject might hear in its environment.
Tools:	Other animals, babies, water running, barking, crying, T.V., voices
Station #3	(Tasting) Using your sense of taste, identify your subject might taste in its environment.
Tools:	Bring foods for tasting animals and people might taste. Berries, fish, meats, honey, candies, etc.
Station #4	(Smell) Using your sense of smell, identify things your subject might smell in its environment.
Tools:	Flowery smells, grass, animal smells, coffee, bread, gum flavors.
Station #5	(Touch) Using your sense of touch, identify things your subject might touch in its environment.
Tools:	Water, babies, feathers, pins, heat, ice, smooth, etc

### Rubric

Performance Elements	Emerging	Developing	Proficient	Advanced
Venn Diagram	Does not construct Venn diagram	Constructs 2 circle Venn diagram, but incorrect or missing labels; uses five or less pictures depicting senses	Constructs 2 circle Venn diagram with correct labeling; uses five to 10 pictures depicting senses in two parts of diagram	Constructs 2 circle Venn diagram with correct labeling; uses 10 or more pictures depicting senses in all three parts of diagram
Compare and Contrast	Does not compare or contrast	Compares animal and human; does not contrast	Compares and contrasts one or two senses between animal and human	Compares and contrasts three or more senses between animal and human
Science Concept	Lists one or more senses used for either animal or human but may not explain how used	Lists one or more senses used by animals and humans and explains how they are use	Lists two or more senses used by animal and humans and explains how they are used	Lists three or more senses and explains how they are used
Inferences	Does not explain why senses are used	Explains why one sense is used in animal and human	Explains why two senses are used in both animal and human	Explains why three or more senses are used in animal and human