

<b>Topic:</b> Animal Adaptation		<b>Animal Adaptations-</b> an extension to <i>Dr. Rosie Helps the Animals</i>	<b>Materials:</b> <ul style="list-style-type: none"> <li>• <i>Dr. Rosie Helps the Animals</i></li> <li>• Slideshow/Power Point</li> <li>• Activity Paper or Booklet</li> </ul>
<b>Grade Level:</b> Kindergarten-2 <sup>nd</sup> Grade			
<b>Lesson Objectives/Learning Goals:</b> <ul style="list-style-type: none"> <li>- Students will be able to identify what adaptation is and how animals use adaptation to survive.</li> <li>- Students will be able to create, draw, or research an animal and describe how it adapts to it's environment.</li> <li>- Students will be able to describe both physical and behavioral adaptations.</li> </ul>		<b>Standard:</b> K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive K-2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	<b>Accommodations/modifications:</b> <ul style="list-style-type: none"> <li>• Speech to text</li> <li>• Scribing</li> <li>• Completing the activity piece using a computer</li> <li>• Cut out and paste images from other sources to show how the animal adapts to its environment.</li> </ul>
<b>Lesson Plan</b>			
<b>Time</b>	<b>Activity</b>	<b>Teacher Actions</b>	<b>Student Actions</b>
_____ min	Introduction	Tell students they will be learning about adaptation today. Ask if anyone has any ideas what that word means and how it relates to <i>Dr. Rosie Helps the Animals</i> .	Listening and discussion
_____ min	Slideshow	Slides #1-#2: Introduce what adaptation is. Review the definition of an environment and see if students can give you an example.	Listening and discussion

		<p>Slide #3- There are 2 types of adaptations. Encourage students to see if they can tell you the difference between physical and behavioral adaptation.</p> <p>Slide #4- Talk about each of the different physical adaptations. How does the animal pictured adapt using that specific body part. Can students think of any other examples of animals that adapt that body part?</p> <p>Slide #5- repeat slide 4 but with behavioral adaptation</p> <p>Slide #6- Rosie meets a lot of animals in the book...these are just a few! Go through and talk about how these animals adapt to their environment (giraffe-long neck, elephant- trunk, big feet, beluga whale- blow hole, big body, pig- snout, feet, rabbit- feet, ears, fur).</p> <p>Slide #7-8: Why is it important for Rosie to help heal these animals? Go through the animals from Dr. Rosie Helps the Animals as well as their adaptations and have students</p> <p>Slide #9- transition into the activity for K-1 or 2nd.</p>	
_____ min	Activity	<p>Choose the activity that is more appropriate for your group of students. Follow the directions provided with the activity.</p>	<p>Create or research an animal and find how they adapt to their environment.</p>

_____ min	Self-Assessment/ Reflection	Students will share their activity papers or booklets with a small group of peers. Encourage them to describe their animal and how it adapts to its environment.	Discussion/sharing with peers
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Adaptation Answer Key for *Dr. Rosie Helps the Animals* (answers will vary):

- Rabbit's ears need to be healthy because they need to hear predators (safety)
- Pig needs to heal from an upset stomach so that it can eat again. (food)
- Giraffe needs to have a healthy throat to eat (food)
- Elephant needs to have an unstuffy trunk (there are a lot of things it needs a healthy trunk for)
- Ostrich--legs need to be healthy to run (safety)
- Crocodile-- mouth needs to not be sore so it can eat? (food)
- Octopus-- head needs to be healed so it can swim fast (pushes water out like jet propulsion) to escape (safety)
- Beluga -- skin needs to be healthy because it protects the body (this is challenging)
- Polar bear-- needs to not have a fever so it has more energy to get food (challenging again)
- Owl-- needs to have healthy eyes so it can see to get food

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