



Lesson Plans:  
Science: Scientific Investigation,  
Reasoning, and Logic C & E



Teacher Name:	
Date:	

Lesson Goal:	The student sequence objects according to length (short/ long) and size (big/ little).
Link to VFB:	Science: Scientific Investigation, Reasoning, and Logic C & E

Materials:	Worms Like to Wiggle Book, “Length Worms” manipulatives, “Big and Little” manipulatives. Use in conjunction with Math: Measurement A & B lesson plan
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Usage Location	Reading the story, Science and Math Center
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Implementation Plan		
Model	Prompt	Check
When reading through the story, comment about the length of the worm compared to other animals using the words <i>longer</i> and <i>shorter</i> . Also, point out the differences between the big animals and the little animals. Then print out the “Length Worm” manipulatives and “Big and Little” manipulatives activity. Follow the directions to make the manipulatives. Explain to children that different animals and people are different sizes, shapes, and lengths. Some animals are long and some are short. Some animals are big and some are little. Use the manipulatives to demonstrate how to put	Across the environment, find things that you can compare and say are longer/ shorter. It will help the kids generalize the skill. Now, put the worms at the Science and Math Center. Let the kids play with them and practice comparing groups with at least three worms with your support. Have the kids put them in order from short to long and long to short. At the art center, have the “Worms” and “Pigs and Horses” activity available. Each child will have their own size worm and pig to use to practice comparing length and size. Have groups of 3 children order their worms. Then switch groups. Make sure you	To check for understanding, sit with the children at the Math and Science center. Have the kids show order different sets of worms. You could also have the kids bring their worms and pigs and horses they made in the art center to reading the story time. Have two children bring up their worms, pigs, and horses in groups or three or four and compare the size and length. Make sure everyone gets to show their worm. That will create a warm classroom climate with a feeling that everyone is important.



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<p>the worms in order from shortest to longest or longest to shortest. Demonstrate how to line them up to determine which is longer. Show the children “big” by making your arms stretch out like a bear hug. Show the children how to make them “little” by making a small gesture between two fingers. Use the manipulatives to demonstrate big/ little.</p>	<p>reinforce that a ruler measures length. Have the same groups of three show you a small pig with a big pig.</p>	
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