

Grade K	Science	Week 12
<b>Lesson Title:</b> Comparing Objects by Speed		
<b>Weekly Learning Targets:</b> Students can compare objects by how fast they move.		
<p><b>Vocabulary:</b> fast, slow, speed</p> <p><b>Next Generation Science Standards</b></p> <p><b>K.PS2.1</b> – Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.</p> <p><b>K.PS2.2</b> – Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.</p>		
<b>MONDAY</b>		
<p><b>Daily Learning Target:</b> (This lesson plan assumes kindergarten classes only have two science classes a week.)</p> <p><b>Learning Tasks:</b> N/A</p> <p><b>Daily Formative Assessment:</b> N/A</p>		
<b>TUESDAY</b>		
<p><b>Daily Learning Target:</b> Students can demonstrate and identify if objects move fast or slowly.</p> <p><b>Learning Tasks:</b> At the start of class, students can watch and move along to this fast and slow song. (SM A) Next, the teacher can display the words fast and slow on a wall. The teacher can demonstrate the vocabulary words for the students and ask them for examples of objects that move fast and objects that move slowly. Next, the class can look at page 16 and ask the students to identify the different things that move. The class can then read the text together and organize the pictures from slowest to fastest. Then the students can complete activity 16 in their book where they color the objects that move fast blue and objects that move slowly red. For an extension, students can discuss appropriate times to move fast or slowly at school.</p> <p><b>Daily Formative Assessment:</b> The teacher can check the students' handouts.</p>		
<b>WEDNESDAY</b>		
<p><b>Daily Learning Target:</b> (This lesson plan assumes kindergarten classes only have two science classes a week.)</p> <p><b>Learning Tasks:</b> N/A</p> <p><b>Daily Formative Assessment:</b> N/A</p>		
<b>THURSDAY</b>		
<p><b>Daily Learning Target:</b> Students can investigate how a push or pull changes how an object moves.</p> <p><b>Learning Tasks:</b> To begin class, the teacher can read the story <i>Fast, Faster, Fastest</i> (SM B) that compares the speed of different animals. After reading the story, the class can have a discussion about the fastest animals. The students can also do a sorting activity where they put animals in order from slowest to fastest. (SM C) Next, the teacher can explain the activity today where they will investigate the speed of different toy cars. The teacher can give the students this simple handout (SM D) where they can record their predictions and results. The students can pass around the cars before making their decision. The teacher can place the cars on the track and have the cars race. The students can record their results on the handout and in their science journals. The class can then have a discussion of why one car went faster than the other. The class can also experiment with adding forces (pushing or pulling) to the cars.</p> <p><b>Daily Formative Assessment:</b> The teacher can check the students' science journals.</p>		
<b>FRIDAY</b>		
<p><b>Daily Learning Target:</b> (This lesson plan assumes kindergarten classes only have two science classes a week.)</p> <p><b>Learning Tasks:</b> N/A</p> <p><b>Daily Formative Assessment:</b> N/A</p>		

Grade K –Science– Week 12	MATERIALS / RESOURCES
<p>pencils, science journal, race car tracks, toy cars</p> <p><b>A</b> –Fast and Slow Song - <a href="https://www.youtube.com/watch?v=tZpM3PTCry8">https://www.youtube.com/watch?v=tZpM3PTCry8</a></p> <p><b>B</b> – Fast, Faster, Fastest - <a href="https://www.amazon.com/Fast-Faster-Fastest-Animals-Extremes/dp/1404811729/">https://www.amazon.com/Fast-Faster-Fastest-Animals-Extremes/dp/1404811729/</a></p> <p><b>C</b> – Animal Speed Sort - <a href="https://betterlesson.com/lesson/resource/3176792/fast-faster-fastest-activity-sheet-pdf">https://betterlesson.com/lesson/resource/3176792/fast-faster-fastest-activity-sheet-pdf</a></p> <p><b>D</b> – Car Race Recording Sheet - <a href="https://betterlesson.com/lesson/resource/3176922/investigation-recording-sheet-two-cars-pdf">https://betterlesson.com/lesson/resource/3176922/investigation-recording-sheet-two-cars-pdf</a></p> <p><b>Additional Resources</b></p> <p>Speed Lesson Plans - <a href="https://betterlesson.com/lesson/635339/which-one-is-faster-an-introductory-investigation-of-speed">https://betterlesson.com/lesson/635339/which-one-is-faster-an-introductory-investigation-of-speed</a></p> <p>Animal Race Video - <a href="https://www.youtube.com/watch?v=9lebRS6QbAE">https://www.youtube.com/watch?v=9lebRS6QbAE</a></p>	