

Math

- The child learned about measurements by observing and discussing the different sizes and heights of the speed bumps.
- They practiced counting by counting the number of speed bumps on the road.
- The child learned about patterns by noticing the regular spacing between the speed bumps.
- They explored basic addition and subtraction by calculating the distance between each speed bump.

Science

- The child learned about forces and motion by experiencing how vehicles slow down when driving over speed bumps.
- They observed the effects of friction by noticing how the speed bumps cause the tires to slow down.
- The child learned about road safety by understanding that speed bumps are installed to ensure driver and pedestrian safety.
- They explored the concept of energy transfer by realizing that the vehicle's kinetic energy is converted into potential energy when driving over speed bumps.

Social Studies

- The child learned about urban planning by understanding that speed bumps are strategically placed to control traffic speed in specific areas.
- They explored community involvement by discussing how local residents or authorities decide where to install speed bumps.
- The child learned about shared spaces by observing how speed bumps help regulate traffic flow in residential areas or near schools.
- They discussed the importance of following rules and regulations, such as adhering to speed limits, to maintain road safety.

For continued development related to the activity, parents or teachers can encourage the child to create their own mini speed bump course using toys or objects. They can measure the distances between the speed bumps, experiment with different shapes and sizes, and observe how the toys or objects interact with the speed bumps. This hands-on activity will reinforce the concepts of measurements, forces, and motion, while also stimulating creativity and problem-solving skills.

Book Recommendations

- [Speed Bumps on the Road](#) by Lisa Bullard: A storybook that explains what speed bumps are and why they are important for road safety.
- [The Science of Motion: Forces and Friction](#) by Emily Reid: Introduces basic concepts of forces and motion, including friction, through simple explanations and colorful illustrations.
- [Our Community: A First-grade Social Studies Book](#) by Lisa Greathouse: Explores the various components of a community, including urban planning and road safety, in an engaging and age-appropriate way.

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