

## *Cars*

**Lesson Overview:** Children will learn what a car is and how it moves.

**Target Grade:** Kindergarten

### **Children's Literature:**

*If I Built a Car* by Chris Van Dusen,

*If I had a Car* by Ted Summerfield

*Cars: Rushing! Honking! Zooming!* by Patricia Hubbel and Illu Sean Addy

*All In a Jam: A Rhyming Picture Book* by Rebecca Bielawski

*Mr. Grumpy's Motor Car* by John Burningham

*Ed Emberley's Draw Book of Trucks and Trains* by Ed Emberly

### **Learning Objectives:**

*Students will be able to:*

*Writing* - identify, spell, and write color words.

*Reading* - develop book handling skills; identify front cover, back cover and other parts of a book.

*Math* - identify basic shapes such as a square, circle, rectangle, triangle and oval.

*Social Studies* - explain what maps are used for

*Science* - test which type of wheel requires the least amount of force and which requires the most.

### **Benchmarks Addressed:**

**R.WS.00.07** follow familiar written text while pointing to matching words.

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Relate familiar three-dimensional objects inside and outside the classroom to their geometric name, e.g., ball/sphere, box/cube, soup can/cylinder, ice cream cone/cone, refrigerator/prism.

**K – G1.0.1** Recognize that maps and globes represent places.

**P.FM.00.31** Demonstrate pushes and pulls on objects that can move. \*

**P.FM.00.32** Observe that objects initially at rest will move in the direction of the push or pull.

**P.FM.00.33** Observe how pushes and pulls can change the speed or direction of moving objects.

**Materials and Quantities:** Sentence stripes, markers, pencils, pre-made teacher books, box cars, wooden cars with changeable wheels, pre-cut construction paper shapes (all shapes), U.S. highway maps, large rug with U.S. map, toy cars.

<b>Vocabulary:</b>	wheels	automobile	push
	pull	city	counting
	map	weight	shape
	square	circle	triangle
	road	window	

**Focus Questions:** What is needed to build a car?

### **Classroom Activities:**

Have examples of cars (photos, posters, toy cars, etc.) around the room and have students explore and observe them. Set up the following centers:

*Writing Center* - The teacher will read *If I Built a Car* by Chris Van Dusen to students. Then, children will write and color in pre-made books using teacher-made sentence strips. "I have a red car." "I have a blue car."

*Reading Center* - Books about cars will be available for children to explore (see list above).

*Math Center* - Children use pre-cut shapes to build a car from construction paper.

*Social Studies Center* - Children use box cars to move around the roads on the map

*Science Center* - Children will use wooden cars with interchangeable wheels to determine which wheel works best.

**Assessment:**

Collect daily work and make a daily observation through traveling around the centers. On the last day, children will draw a picture of a car and explain what they have drawn using vocabulary words from the vocabulary word wall.