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 Dasen,
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.

Vocabulary: 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 Dasen 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.