

SCIENCE

Lesson Plan

Materials Needed

An LCD Machine
Magnets, Magnetic & Non-magnetic Materials
A Small Animal, Markers/Crayons
Ice-cubes, Salt, Magnifying Glasses, a Plant/Flower
Gears or a Manipulative Toy that could be used in the science center
Sense Materials:
 5 different car freshener scents (like the pine scent)
 or Cotton balls sprayed with 5 different smells
 Textured fabric or wallpaper
 One item for each child: a piece of chocolate, pretzel, lemon wedge
 Sounds recorded on a tape
 ViewFinder and Slides
Tissue Paper: red, yellow and blue Index cards, scissors
Water Bottle (students each bring one), water, vegetable oil, food coloring, hot glue gun and glue sticks
Children's books that relate to science principles such as National Geographic Preschool and Science Curriculum Books – or computers with Internet access.

Objectives

- Students will be able to identify a variety of science supplies and activities that would be appropriate for young children.
- Students will recognize the different areas of science that a young child could relate to.
- Students will complete several preschool science activities.

Introduction

Have the students write their names on their study guides with a crayon using a candle warmer under the paper. Discuss why this activity could be included in the science area.

Children have a natural interest in and love to learn about the world around them. They will ask questions and can do simple experiments that will help them understand scientific principles.

Power Point Presentation

Areas of Science
Materials to be included in the science area: a microscope, magnifying glasses, a globe, pictures, plants, animals

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SCIENCE CENTERS that the students will rotate through:

- 1) **MAGNETS:** Have several types of magnets and materials that are both magnet and non-magnetic. List what materials the magnet picked up.
- 2) **ANIMAL:** (fish, hamster, spider, crab, ant farm, etc.) Complete an observational drawing. List what the animal would eat, the living environment of the animal and what care the animal would need.
- 3) **ICE CUBES:** Sprinkle salt (colored salt is easy to see) on an ice cube and watch what happens. Answer the three questions that are listed on the STUDY GUIDE.
- 4) **MAGNIFYING GLASSES:** Look at a plant through the magnifying glasses. Write down what you see.
- 5) **GEARS:** Using the GEARS toys, (available through several Early Childhood Catalogs), create a moving machine. Remember that science can be fun!
- 6) **SENSES:** Smell - 5 different scented car fresheners (like pine)
OR 5 different fragrances sprayed on cotton balls. Identify the smells.
Touch - Cut out 5 different textures of fabric or wallpaper.
Glue them on a paper.
- 7) **SENSES:** Taste – Taste a piece of chocolate, a pretzel, and a lemon wedge.
Write 3 words to describe each of these items.
Hearing – Identify the sounds on a tape.
Sight – Look through the ViewFinder at different animals.
- 8) **TISSUE COLOR MIX:** Cut a circle of each of the primary colors out of red, yellow and blue tissue paper. Glue the circles on an index card so that they overlap to create the secondary colors – orange, green and purple.
- 9) **WATER & OIL:** Fill a water bottle $\frac{2}{3}$ rd with water. Add 1-2 “ of vegetable oil. Add a drop of food coloring (student’s choice). Carefully put a little hot glue on the inside of the lid and screw the lid on tight. Cool for a minute. Tip the bottle upside down, mix, and then record what happens.
- 10) **BOOKS:** Children’s books that relate to scientific principles. National Geographic magazines are also fun to look through.
- 11) **SCIENCE ACTIVITY** – Look through the curriculum books or use a computer and find a science activity. Make a copy or write down the directions for the activity.