

Science Activities for Preschoolers



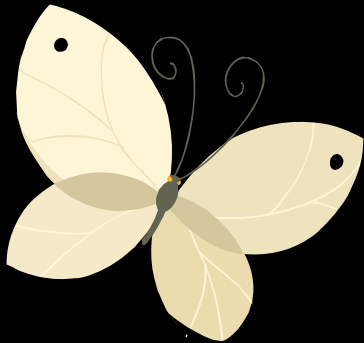
Presentation courtesy of WCESC Preschool

Biological Science

- Observe animals and plants with your child.
- Observe ant farms, spider webs, and other animal homes.
- Have your child provide care for pets.
- Collect and observe tadpoles.



Biological Science



- Discuss and observe the life cycle of the butterfly.
- Examine textures found in natural forms.
- Garden with your child.

Biological Science

- Hatch eggs.
- Collect natural materials.
- Discuss insects and how they protect themselves.



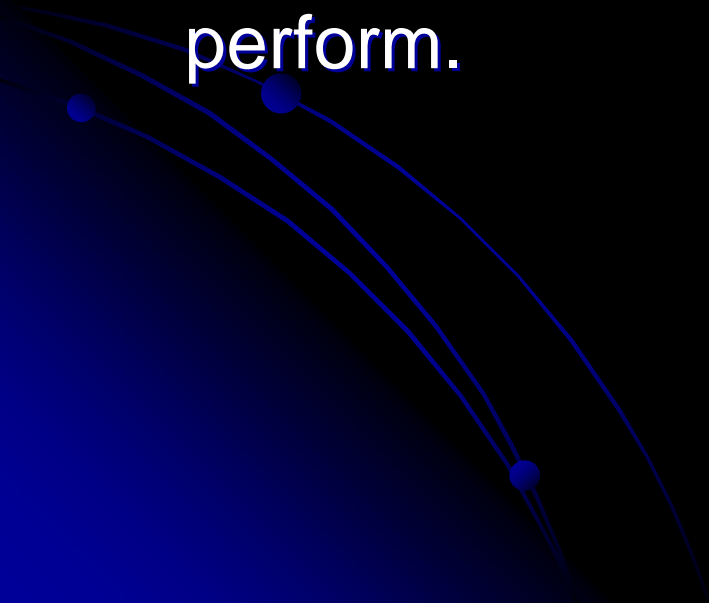
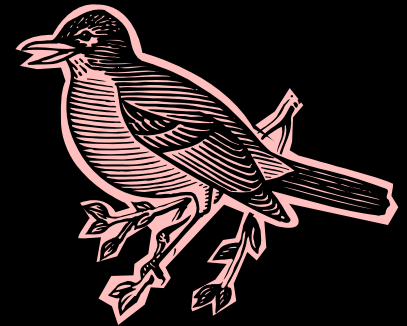
Biological Science



- Observe characteristics, movement, and feeding of various animals and insects.
- Have your child imitate sounds made by various animals.
- Discuss with your child ways we care for animals and the ways they help us.

Biological Science continued...

- Watch and feed birds and observe bird nests.
- Learn the names of baby animals.
- Learn about the different parts of the body and the functions they perform.



Biological Science continued...

- Talk with your child about the role of different various family members.
- Discuss various community helpers (such as the garbage man that takes our trash, the doctor that makes sure we are well, etc).
- Discuss things your child can do now that he couldn't do when he was younger and the things he can do when he gets older.



Biological Science continued...



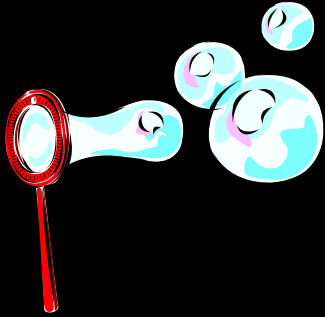
- Discuss uses of plants for food, clothing, and shelter.
- Discuss with your child the cycle of a tree and its uses.
- Care for plants and explore their growth.

Biological Science continued...

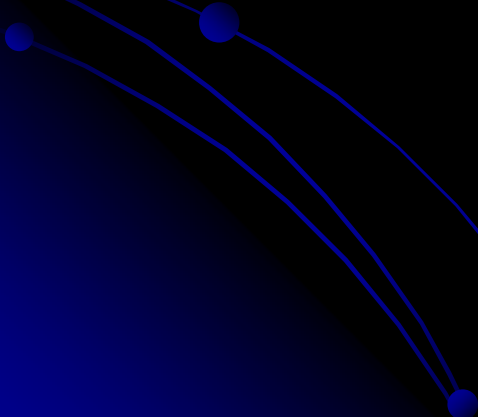
- Discuss the different tastes of food (sour, sweet, bitter, salty, etc.).
- Prepare fruits and vegetables for eating.
- Discuss and make butter, ice cream, soup, pudding, jello, and applesauce.



Physical Science

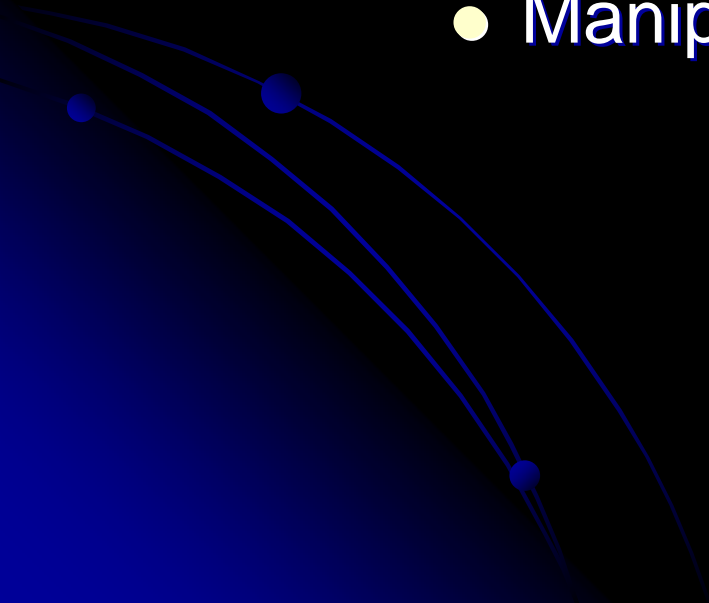
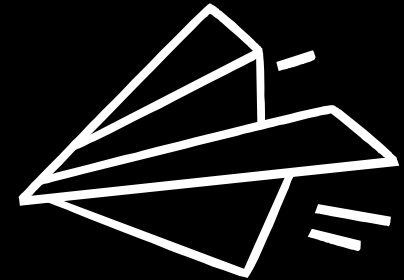


- Play with water, floating and sinking, moving objects, etc.
- Blow bubbles.
- Weigh objects.



Physical Science

- Explore sound vibrations.
- Make and fly paper airplanes.
- Manipulate clay.



Physical Science



- Move toys with or without wheels.
- Paint—mix colors—why do they change?
- Try activities using straws (blowing a cotton ball across a table, blow painting, etc.)

Physical Science

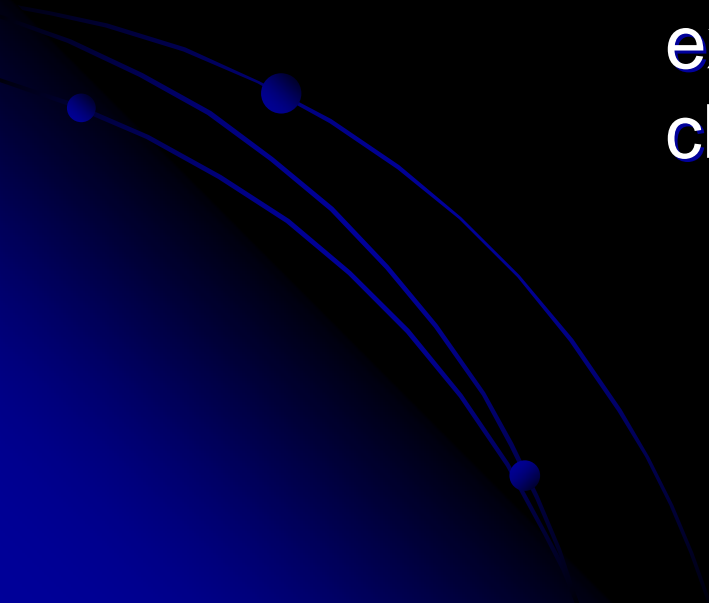
- Roll various sized balls.
- Explore lights and shadows.
- Listen to the sounds of the city.
- Observe machines at work.



Physical Science continued...



- Familiarize your child with gravity.
- Discover the uses of magnets.
- Perform simple experiments with your child.



Physical Science continued...

- Siphon water from one container to another.
- Wash and dry doll clothes with your child.
- Investigate water (evaporation, cleaning things, how it changes things, its different forms, and the purposes it serves).



Physical Science continued...



- Observe reflections in water.
- Freeze water into ice and watch it melt.
- Provide dishes of things that look alike but are different and discuss the uses of each (salt, refined sugar, powdered sugar, soap flakes, flour, corn starch, starch, baking powder, etc.).

Physical Science continued...

- Have your child feel various textures (fabric, screen, wood, glass, metal, sandpaper, egg shells, rocks, nails, etc.)
- Smell various odors.



Earth Science

- Discuss with your child different kinds of weather and the apparel for different types of weather.
- Talk about things in the sky.
- Investigate the characteristics of snow.



Earth Science

- Explore air movement made by a fan, using balloons, pinwheels, whistles, a parachute, etc. Can you blow up a paper bag?
- Discuss fog, sun, and rain with your child.



Earth Science



- Classify rocks by size, shape, color, density, hardness (your child can scrape them, drop vinegar on them, weigh them, etc.)
- Compare sand and soil.