



Preschool Educator Guide: Inside Our Body

National Standards (K)

4.1 Science as Inquiry

- Understanding scientific inquiry
- Abilities necessary to do science inquiry

4.3 Life Sciences

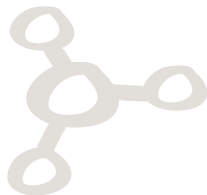
- Characteristics of organisms
- Life cycles of organisms
- Organisms and environments



The Learning Continuum: Before, During and After Your Visit

Guide Theme

In preparation for a visit to the New York Hall of Science, each child will imagine that he/she is a scientist. As a group of scientists, your students will use the inquiry method to practice observation skills and make discoveries through exploration and play. Placing a NYSCI visit at the center of an inquiry provides the students with continuity and purpose, and provides teachers with a way of assessing student understanding.



Begin Exploration at School

Before coming to NYSCI, students can practice being scientists at school by trying the continuum activities and reading books from the list provided. These continuum activities vary in time, depth and work to prepare early learners to get the most out of their visit.

Exploration at NYSCI

The students will experience a body-themed activity at NYSCI. The workshop focuses on parts inside our bodies, including the digestive system, heart, lungs and bones. After the guided activity, the students will have time to use their skills and explore the exhibits in the Preschool Studio.

Preschool Studio Exhibits List

- Loft
- Ball Drop Wall
- Discovery Boxes
- Puppet Theater
- Brickworks
- Train Table
- Soft Arch



Finish Exploration at School

Students can continue their experience at school with one or more of the continuum activities.



Continuum Activities

My Body

What is the same about me and the person next to me? We have hair, eyes, a mouth, ears and noses etc. Do we share anything inside? Our heart, our brain and other organs. Where are these things? Let's make a map of our body showing the location of all of these parts.

Time: 20 minutes

Materials

- Large butcher paper or bulletin board paper
- Crayons or markers
- Scissors
- Masking tape

Optional: If this is difficult because it is so big, you can also draw a body on a regular sheet of paper.

Instructions

1. Have students work in teams. One student can lie down and the other student can trace their partner.
2. Draw eyes, noses, ears and mouths, then label those parts, including arms legs, hands and fingers.
3. If there are pictures of organs available use those. If not, draw pictures of the heart, the brain, the kidneys and any other organ that you would like your students to learn about.

Clay Bodies

Why do we have bones? What are they used for? What would happen if we didn't have any bones at all?

Time: 20 minutes

Materials

- Play-Doh or clay
- Toothpicks or coffee stirrers

Instructions

1. Have students construct a clay body with just clay alone.
2. Try to make it walk and move. Does it stand up straight? Is it strong?
3. Now have students construct a body with the toothpicks or the coffee stirrers as its skeleton.
4. How does the body stand up now? Is it stronger?

Simon Says: Body Parts and Organs

Instead of using Simon Says as just a game, let's see how many parts of the body you've learned today. Remember don't do anything unless "Simon Says".

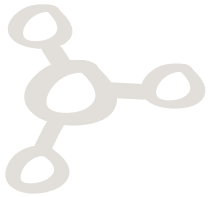
Time: 10 minutes

Materials

- Students

Instructions

1. Examples of what you can say include: "Simon says raise your arm or point to your nose."
2. For organs, say things like "place your hand over your heart."





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Curriculum Connections

Guide Theme

Classifying: Arranging or distributing objects, events, or information according to some method or skill.

Creating Models: Displaying information, using multi-sensory representations.

Generalizing: Drawing general conclusion from particulars.

Observing: Becoming aware of an object or event by using any of the senses (or extensions of the senses) to identify properties.

Predicting: Making a forecast of future events or conditions expected to exist.

Animal Diversity: How do variations in form and function help animals meet their needs?



Book List

What's Inside My Body – DK Publishing Inc.

To See or Not to See – Steve Struble

Yikes! Your Body Up Close! – Mike Janulewicz

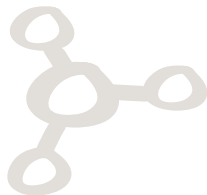
The Big Book of the Human Body – DK Publishing

My First Book of The Body – Chuck Murphy

The Busy Body Book – Lizzy Rockwell

(Reference/Activities)

Young Genius. Bones – Kate Lennard



Vocabulary List

- Body
- Bones
- Brain
- Heart
- Nose
- Organ
- Lung
- Mouth
- Ear



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