

Big Idea 14 and 16: Organization and Development of Living Things

Human Anatomy- Respiratory System

Description

Slide Titles

- 1-Lungs
- 2-The Respiratory System
- 3-Air Exchange
- 4-The Trachea
- 5- Inside the Lungs
- 6- Smoking and your Lungs

Google Questions

Questions cover the function of the respiratory system and parts of the system.

Standards Based Questions:

- What is the function of the lungs?
- How are the heart and lungs connected?
- How do plants take in CO₂? Is that similar to the way a human, takes in oxygen?
- Name the organs in the respiratory system
- What are the main functions of the organs in the respiratory system?

Books on Big Universe:

Primary:

- My Body
- Body Talk

Intermediate:

- Investigating the Human Body
- Respiratory System
- Inside my Lungs

Human Nose and the Olfactory System

Description

This lesson covers how the body is able to smell.

Slide Titles

- 1-What is smell?
- 2-Parts of the Nose
- 3-Olfactory Senses in the Brain
- 4-How we Smell
- 5- Smell and Other Senses
- 6-Allergies

Google Questions

Questions cover how the function of smell is used in the body

Standards Based Questions:

- Which of the 5 senses uses the nose?
- Why is it important for the body to smell?
- How does the brain process smell?
- Why is it important to be able to smell things?
- What other senses could you use if you could not smell?

Books on Big Universe:

Primary:

- I can Smell
- Smelling
- What is Smell?

Intermediate:

- What's that smell?
- Amazing Sense of Smell
- Why do animals smell like this?
- Gross Smells

Human Nervous System (AR)

Description

This 3D lesson cover the various portion of the nervous system.

Slide Titles

- 1-Nervous System
- 2-Brain
- 3-Spinal Cord
- 4-Axon Dendrites
- 5- Neuron
- 6-Neurotransmitters
- 7-Cell Membrane

Google Questions

No Questions Provided

Standards Based Questions:

- What is the function of the nervous systems?
- What are the major organs in the nervous systems?
- What is the importance of the nervous system?
- How does it compare to other body systems?

Books on Big Universe:

Primary:

- The Nervous System
- Your Brain

Intermediate:

- The Nervous System
- Astounding Nervous System
- The Nervous System
- Your Brain
- The Brain and Nerves

Human Anatomy- Circulatory System

Description

This VR lesson covers the circulatory system and its importance to the body function.

Slide Titles

- 1- Introduction to the Circulatory System
- 2- Defining the Circulatory System
- 3- Structure of the Heart
- 4- A Closer look at Blood Vessels
- 5- A Deeper Look into the Heart
- 6- Blood Groups
- 7- Pulmonary Circulation
- 8- Blockages Formed in Coronary Arteries

Google Questions

Questions in this lesson cover the heart formation, blood, the purpose of the system, and more.

Standards Based Questions:

- What is the function of the circulatory systems?
- What are the major organs in the circulatory systems?
- What is the importance of the circulatory system?
- How does it compare to other body systems?

Books on Big Universe:

Primary:

- The Circulatory System
- Your Heart and Lungs

Intermediate:

- The Circulatory System
- Science Explorer: Circulation
- Your heart and Lungs

Human Anatomy- Skeletal System

Description

Over view of the human skeletal system

Slide Titles

- 1- Overview of the Skeletal System
- 2- The Skeletal system's Parts and Functions
- 3- The Skull and Arms
- 4- What are Bones Made of?
- 5- The Spine
- 6- Movement in the Skeletal System

Google Questions

Questions in this lesson cover the skeletal system and its functions.

Standards Based Questions:

- What are the basic functions of the skeletal system?
- What organs does the skeletal system protect?
- How does the skeletal system support the body?

Books on Big Universe:

Primary:

- The Skeletal System

Intermediate:

- The Skeletal System
- The Skeletal and Muscular Systems

Human Muscular System (AR)

Description

This 3D lesson reviews the Muscular and Skeletal Systems.

Slide Titles

- 1-Arm Muscles
- 2-Cardiac Muscles
- 3-Intestine Muscles
- 4-Muscle Tissue
- 5-Leg Muscles
- 6-Full Muscular system

Google Questions

No Questions provided

Standards Based Questions:

- What is the function of the muscular system?
- What are the major organs in the muscular system?
- What is the importance of the muscular system?
- How does it compare to other body systems?

Books on Big Universe:

Primary:

- The Muscular System

Intermediate:

- The Muscular System
- Your Skeleton Muscles
- The Skeletal and Muscular System
- The Muscular and Skeletal System