# Respiratory System Lesson Plan

COURSE:

TEACHER:

Health Science 3: Human Structure and Function

Stephanie Redd, BSN, RN

DURATION: 14 Days

STANDARDS:

NCHSE National Heath Science Standards / SC Department of Education Health Science Pathway Standards:

- Foundation Standard 1: Academic Foundation
  - 1.1 Human Anatomy and Physiology

1.13 Analyze basic structures and functions of human body systems (skeletal, muscular, integumentary, cardiovascular, lymphatic, respiratory, nervous, special senses, endocrine, digestive, urinary, and reproductive).

#### LEARNING OBJECTIVES:

At the conclusion of this lesson, students will be able to:

- Label a diagram of the respiratory system.
- · List five functions of the nasal cavity.
- Identify the three sections of the pharynx.
- Explain how the larynx helps create sound and speech.
- Describe the function of the epiglottis.
- Label the major respiratory system structures on a diagram or model.
- Trace the movement of air through the respiratory tract.
- Compare the processes of inspiration and expiration, including the muscle action that occurs during each process.
- Differentiate between external and internal respiration.
- Describe at least five diseases of the respiratory system.

#### ESSENTIAL QUESTIONS:

The following are overarching questions that will guide students throughout this lesson:

- What are the functions of the respiratory system?
- How does the Circulatory (Cardiovascular) and Respiratory Systems work together to perform those functions?
- · What are the mechanisms of breathing?
- How does the fetal circulation differ from that of the adult circulation?
- How is the body organized?
- How does the respiratory system and circulatory system work together to transport vital gases throughout the body?
- What diseases are associated with this system?
- How do the respiratory organs and blood, exchange gases to keep your body cells alive?

#### EQUIPMENT / MATERIALS / RESOURCES:

Students will need or utilize:

- Maintenance Assignment Handouts / Instructions
- □ Books / Magazines / Newspapers
- Materials / Equipment
- □ Computer / Device
- Internet Access

- Microsoft Office Software
- □ Teacher Handouts
- ™ Textbook
- Other: YouTube Videos (As Noted)

# **Respiratory System Lesson Plan Study Guide**

**Lonnie T. Locke LMT** 

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materials The guide will be invaluable to teachers principals administrators teacher trainers science curriculum specialists and advocates of hands on science teaching and it will be of interest to parent teacher organizations and parents

<u>Teaching and Learning in a Concept-Based Nursing Curriculum</u> Ignatavicius, Donna D. Ignatavicius, 2017-09 Resource added for the Nursing Associate Degree 105431 Practical Nursing 315431 and Nursing Assistant 305431 programs

Resources in Education ,1998 Resources for Teaching Middle School Science Smithsonian Institution, National Academy of Engineering, National Science Resources Center of the National Academy of Sciences, Institute of Medicine, 1998-04-30 With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them Resources for Teaching Middle School Science developed by the National Science Resources Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards This completely new guide follows on the success of Resources for Teaching Elementary School Science the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science centers museums and zoos where teachers can take middle school students for interactive science experiences Another chapter describes nearly 140 professional associations and U S government agencies that offer resources and assistance Authoritative extensive and thoroughly indexed and the only guide of its kind Resources for Teaching Middle School Science will be the most used book on the shelf for science teachers school administrators teacher trainers science curriculum specialists advocates of hands on science teaching and concerned parents A Handbook for Classroom Instruction that Works Howard Pitler, BJ. 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web types of chemical reactions answers balance each of the following reactions and identify each type of reaction 2 nabr ca oh 2 cabr2 2 naoh double displacement

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web may 5 2023 1 identify the type of reaction n 2 3h 2 2nh 3 a synthesis b decomposition c single replacement d double replacement e combustion correct

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web choose 1 answer a hydrogen atom with a slight positive charge is attracted to a negative charge of another molecule or atom a a hydrogen atom with a slight positive charge is

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web jan 10 2021 1 when a reaction is described as having reached equilibrium this means that the forward reaction rate is now equal to the reverse reaction rate in regards to the