

Breathe In, Breathe Out: The Respiratory System



Fourth Grade, Fifth Grade

Science,

Show your students the parts that work together to make a person breathe! Have them compare the lungs of a healthy person, the lungs of a smoker, the lungs of a city resident, and the lungs of a miner.

Learning Objectives

Students will be able to identify the parts of the respiratory system. Students will be able to describe the functions of each part of the respiratory system.

Materials and preparation

- Poster board
- Computers
- Index cards (7 per student)
- Markers
- Respiratory System worksheet
- Your Respiratory System worksheet
- Notebook paper
- Are Your Lungs Healthy worksheet
- Computers
- Your Body: Your Lungs worksheet

Key terms

- sinus cavity
- pharynx
- larynx
- trachea
- lung
- bronchi
- diaphragm

Attachments

- Are Your Lungs Healthy (PDF)
- Respiratory System (PDF)
- Your Body: Your Lungs (PDF)
- Your Respiratory System (PDF)

Introduction (10 minutes)

- Tell your students that today they will learn about the respiratory system.
- Display a poster and divide it into two columns, with the first column labeled with *know* and the second column labeled with *learned*.
- Ask your students what they know about the respiratory system. Write the information in the first column.

Explicit Instruction/Teacher modeling (40 minutes)

- Pass out the Respiratory System worksheet to your students.
- Go over the worksheet with your students and explain the function of each part.
- Ask your students to label the part as you go over it.
- Instruct your students to write the definition and explanation of each word as you explain it on notebook paper.
- Explain to your students that the **sinus cavity** is the area around the nose and eyes that cleans the air nasal cavity is

Respiratory System Lesson Plan 4th Grade

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Respiratory System Lesson Plan 4th Grade:

Elementary School Wellness Education Matthew Cummiskey, Frances Cleland Donnelly, 2022-06-20 Health education and physical education are traditionally siloed for no good reason according to authors Matthew Cummiskey and Frances Cleland Donnelly So through Elementary School Wellness Education the two authors provide a blueprint complete with lesson plans for teachers to fuse health education and physical education into one elementary school class Students should be educated in a more holistic manner says Cummiskey We applied the concept of school wellness education at the elementary level which has components of both traditional health education and physical education Elementary School Wellness Education offers the following 37 detailed lesson plans for grades K 5 19 lessons for K 2 and 18 lessons for grades 3 5 that are tied to SHAPE America Outcomes and National Health Education Performance Indicators Clear instruction on how to apply the plans making it perfect for both preservice and in service teachers More than 70 lesson plan handouts with four color graphics available in the HKPropel platform that are easy for teachers to print A test package presentation package and instructor guide that make this ideal for existing and emerging teacher education courses A typical School Wellness Education SWE lesson combines classroom based learning activities such as discussions worksheets and videos with physical activity All the lessons in the book take place in the gymnasium so there s no need for a separate health education classroom In addition the SWE approach helps teachers maximize their instruction time by meeting multiple learning standards simultaneously The lessons are learning focused with each activity carefully aligned to the objectives says Cleland Donnelly Moreover they re fun Students aren t sitting in a traditional classroom learning health they re doing it in the gym SWE also uses traditional PE equipment and the gym in new and creative ways she adds This is especially important in schools that lack a separate health education classroom Elementary School Wellness Education addresses emergent pedagogies such as skill based education universal design for learning social and emotional learning and social justice helping both in service and preservice teachers understand how to use and benefit from these pedagogical approaches It also guides readers in how to teach wellness education online as effectively as face to face Teachers will learn how to teach the content in person online or in a hybrid approach The good news for teachers is that SWE is not a dramatic departure from existing instruction says Cummiskey Students are still moving and being taught in the gymnasium but now health content and skills are being infused into all the lessons The book he says is also suitable for use by classroom teachers looking to promote wellness or incorporate additional physical activity into their students days The intent is to imbue students with the knowledge skills and dispositions to lead a healthy life into and through adulthood he says Note A code for accessing HKPropel is included with this ebook

State & Local Programs on Smoking and Health ,1982 **State and Local Programs on Smoking and Health** ,1982 *A plan for the evaluation of the school health curriculum project* Development and Evaluation Associates,1979

Advanced Pre-Med Studies Parent Lesson Plan ,2013-08-01 Advanced Pre Med Studies Course Description Semester 1

From surgery to vaccines man has made great strides in the field of medicine Quality of life has improved dramatically in the last few decades alone and the future is bright But students must not forget that God provided humans with minds and resources to bring about these advances A biblical perspective of healing and the use of medicine provides the best foundation for treating diseases and injury In Exploring the History of Medicine author John Hudson Tiner reveals the spectacular discoveries that started with men and women who used their abilities to better mankind and give glory to God The fascinating history of medicine comes alive in this book providing students with a healthy dose of facts mini biographies and vintage illustrations It seems that a new and more terrible disease is touted on the news almost daily The spread of these scary diseases from bird flu to SARS to AIDS is a cause for concern and leads to questions such as Where did all these germs come from and how do they fit into a biblical world view What kind of function did these microbes have before the Fall Does antibiotic resistance in bacteria prove evolution How can something so small have such a huge deadly impact on the world around us Professor Alan Gillen sheds light on these and many other questions in The Genesis of Germs He shows how these constantly mutating diseases are proof for devolution rather than evolution and how all of these germs fit into a biblical world view Dr Gillen shows how germs are symptomatic of the literal Fall and Curse of creation as a result of man s sin and the hope we have in the coming of Jesus Christ Semester 2 Body by Design defines the basic anatomy and physiology in each of 11 body systems from a creationist viewpoint Every chapter explores the wonder beauty and creation of the human body giving evidence for creation while exposing faulty evolutionist reasoning Special explorations into each body system look closely at disease aspects current events and discoveries while profiling the classic and contemporary scientists and physicians who have made remarkable breakthroughs in studies of the different areas of the human body Within Building Blocks in Life Science you will discover exceptional insights and clarity to patterns of order in living things including the promise of healing and new birth in Christ Study numerous ways to refute the evolutionary worldview that life simply evolved by chance over millions of years The evolutionary worldview can be found filtered through every topic at every age level in our society It has become the overwhelmingly accepted paradigm for the origins of life as taught in all secular institutions This dynamic education resource helps young people not only learn science from a biblical perspective but also helps them know how to defend their faith in the process

Teaching Climate Change in Primary Schools Anne M.

Dolan,2021-07-26 This important and timely book provides an overview of climate change and highlights the importance of including climate change education in primary schools It emphasises the importance of cross curricular pedagogical approaches with a focus on climate justice providing in depth assistance for teaching children aged 3 13 years Informed by up to date research the book helps teachers to remain faithful to climate change science whilst not overwhelming children Accompanied by online resources this book includes practical and easy to follow ideas and lesson plans that will help teachers to include climate change education in their classrooms in a holistic cross curricular manner Specific chapters

address the following topics Inter disciplinary approaches to climate change Early childhood education Pedagogies of hope The importance of reflective practice Ideas for including climate change education in curricular areas such as literacy geography science history and the arts Designed to promote climate change education in primary schools this resource will help primary teachers student teachers geography specialists and all those interested in climate change education develop their own conceptual knowledge and that of the children in their class **Federal Register** ,1980-02-08 *Respiratory Care: Patient Assessment and Care Plan Development* David C. Shelledey,Jay I. Peters,2021-02-08 Respiratory Care Patient Assessment and Care Plan Development Second Edition describes the purpose of patient assessment and then guides the reader through the process of reviewing existing data in the medical record *Resources for Teaching Elementary School Science* National Science Resources Center of the National Academy of Sciences and the Smithsonian Institution,1996-03-28 What activities might a teacher use to help children explore the life cycle of butterflies What does a science teacher need to conduct a leaf safari for students Where can children safely enjoy hands on experience with life in an estuary Selecting resources to teach elementary school science can be confusing and difficult but few decisions have greater impact on the effectiveness of science teaching Educators will find a wealth of information and expert guidance to meet this need in *Resources for Teaching Elementary School Science* A completely revised edition of the best selling resource guide *Science for Children* *Resources for Teachers* this new book is an annotated guide to hands on inquiry centered curriculum materials and sources of help in teaching science from kindergarten through sixth grade Companion volumes for middle and high school are planned The guide annotates about 350 curriculum packages describing the activities involved and what students learn Each annotation lists recommended grade levels accompanying materials and kits or suggested equipment and ordering information These 400 entries were reviewed by both educators and scientists to ensure that they are accurate and current and offer students the opportunity to Ask questions and find their own answers Experiment productively Develop patience persistence and confidence in their own ability to solve real problems The entries in the curriculum section are grouped by scientific area Life Science Earth Science Physical Science and Multidisciplinary and Applied Science and by type core materials supplementary materials and science activity books Additionally a section of references for teachers provides annotated listings of books about science and teaching directories and guides to science trade books and magazines that will help teachers enhance their students science education *Resources for Teaching Elementary School Science* also lists by region and state about 600 science centers museums and zoos where teachers can take students for interactive science experiences Annotations highlight almost 300 facilities that make significant efforts to help teachers Another section describes more than 100 organizations from which teachers can obtain more resources And a section on publishers and suppliers give names and addresses of sources for 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 **Current awareness in school health education** ,1982

Resources in Education ,2001-04 *Navy Hospital Corpsman Publications Combined: Personnel Qualification Standard (PQS) For Hospital Corpsman (2019) & Sick Call Screener Course Guide Plus Lesson Plan (2018)* U.S. Naval Education and Training Command, Over 1 300 total pages OVERVIEW Navy Hospital Corpsmen are vital members of the Health Care Delivery Team Their roles and responsibilities are expanding as the demand to provide quality health care is placed on them Training is required to better prepare Hospital Corpsmen and meet these demands The Sick Call Screeners Course SCSC is a training program directed at the Hospital Corpsmen Corpsmen are exposed to clinical subjects taught by a staff of highly skilled personnel Physicians Nurses Physician Assistants and Independent Duty Corpsmen CONTENTS 1 PQS for HOSPITAL CORPSMAN 2019 2 TRAINEE GUIDE FOR SICK CALL SCREENER COURSE SCSC 2018 3 LESSON PLAN FOR SICK CALL SCREENER COURSE SCSC 2018 **Hands-On Science and Technology for Ontario, Grade 5** Jennifer E. Lawson,2020-09-07 Experienced educators share their best classroom tested ideas in this teacher friendly activity based resource The grade 5 book is divided into four units Human Organ Systems Forces Acting on Structures and Mechanisms Properties of and Changes in Matter Conservation of Energy and Resources STAND OUT COMPONENTS custom written for the Ontario curriculum uses an inquiry based scientific and technological approach builds understanding of Indigenous knowledge and perspectives TIME SAVING COST EFFECTIVE FEATURES includes resources for both teachers and students a four part instructional process activate action consolidate and debrief enhance an emphasis on technology sustainability and personalized learning a fully developed assessment plan for assessment for as and of learning a focus on real life technological problem solving learning centres that focus on multiple intelligences and universal design for learning UDL land based learning activities and Makerspace centres access to digital image banks and digital reproducibles Find download instructions in the Appendix of the book **Science Curriculum Resource Handbook** ,1992 **Organization of a Health Instruction Program for Grades I-VIII.** Pennsylvania. Department of Public Instruction,Helena McCray,1929 **Computer Support Collaborative Learning Practices** Claire O'Malley,2009-01-01 **California Journal of Elementary Education** ,1934 **Teachers' Monographs** ,1900 **Research in Education** ,1974 The School News and Practical Educator ,1913

Respiratory System Lesson Plan 4th Grade: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the captivating narratives that have captivated audiences this year. Respiratory System Lesson Plan 4th Grade : Colleen Hoover "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Respiratory System Lesson Plan 4th Grade : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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