

Subject Guides

Human Body

Greenwood Public Library



This pathfinder is designed to help you locate all kinds of information on the Human Body. It focuses on materials relevant for students grades K-12; these materials include **online searches, print materials, multimedia items, websites, and teacher resources/activities.**

Do you have questions about how the body works? Why you get the hiccups or how your hair grows? Discover a wealth of information on the human body by using the following resources.

The print materials and multimedia materials were located using the Greenwood Public Library Evergreen search website, and they may all be located at Greenwood Public Library. The electronic materials were located through Google searches and other online databases.

Keywords & Searching Tips

When searching for information through an electronic database or Internet search engine, you may find more or stronger resources by using the following tips:

When looking for a particular phrase, such as Digestive System, surround the phrase with quotation marks (“Digestive System”). This ensures that your results will include this entire phrase, rather than just “Digestive” or “System.”

If you do not want something in your results, put a minus sign (-) in front of it. For example, if I do not want information regarding Muscles in my Human Anatomy search, I could type: “Human Anatomy”- Muscles.

If you want to search for more than one phrase at the same time, use the word “OR” between the phrases. For example, if I searched “Human Anatomy” OR “Skeleton,” I can locate materials that use either of these phrases.

You can narrow down your search even further by using the word “AND.” If I want to research Blood Cells and Nutrition , I can search “Blood Cells” AND “Nutrition” to get more appropriate results.

Try using the following search terms to locate various materials regarding the Human Body.

- Human Anatomy
- Digestive System
- Muscular System
- Skeleton
- Circulatory System
- Physiology
- Musculoskeletal
- Nervous System
- Cells
- Blood Cells

- Endocrine
- Bones
- Lymphatic System
- Five Senses
- Medicine
- Health
- Nutrition

Multimedia

The following multimedia items contain both educational and recreational materials regarding the Human Body.

Schoolhouserock.tv Watch the video of each song for [Body Machine](#), [Do the Circulation](#), [Telegraph Line](#), and [Them Not-So-Dry Bones](#).

[Human Machine](#) A BBC Scienceworld Production We may take it for granted, but the body is more complex than any machine; it is light, flexible and immensely strong. In addition, the body can laugh, cry and blush.

[The Magic School Bus: Human Body](#) As Ms. Fizzle leads the way, the class takes a journey through Arnold's Digestive System, a pulsating excursion through Ralphie's bloodstream, and an exciting exploration through the Ralphie Robot to learn about bones, joints, and muscles.

[Digestion](#) In DIGESTION, Bill Nye explains how the body's digestive system is like a fine-tuned machine that turns food into energy. Bill demonstrates the process with a steam engine that runs on corn flakes.

[Eyeball](#) Bill Nye studies the body's window to the world--the eyeball.

[Smell](#) In Smell, discover how the human sense of smell helps us interpret our environment and react to the things around us by letting us know when new smells are nearby.

[Blood and Circulation](#) Bill Nye becomes a real heart-throb when he talks about the not-so-wimpy organ, the heart. Valves, blood cells and the circulatory system work together to pump it up ... the heart, that is.

[Bones and Muscles](#) It doesn't have to be Halloween for the Science Guy to bone up on the things that give the body its shape and movement. In bones & muscles, Bill muscles in to give more than just the bare bones about x-rays, the healing of broken bones, bone marrow, and the body's joints.

Fiction/Nonfiction Books

Nonfiction : Grades K-5

[Janice VanCleave's Play and Find Out About the Human Body: Easy experiments for young children](#) by Janice Pratt VanCleave Presents simple experiments answering such questions about the human body as "Why does my skin pucker up when I take a long bath?" "Why are my bones hard?" and "How much breath do I have?" (J 612 VAN)

[Human Body Time Life Books](#) Examines the structure and function of various parts of the human body, including bones, muscles, heart, lungs, brain, nervous system, digestive system, immune systems, and reproductive organs. (J 612 HUM)

[Human Body](#) by Frances Williams Introduces the component parts of the human body and explores the ways in which they function. (J 611 WIL)

[The Structure of the Body](#) Describes the various parts of the human body and how they carry out their specific functions. (J 611 STR)

[Me and My Amazing Body](#) by Joan Sweeney A girl describes how her skin, bones, muscles, brain, blood, heart, lungs, and stomach receive energy and function as part of her body. (J 611 SWE)

[Why Don't Haircuts Hurt?: questions and answers about your body](#) by Melvin and Gilda Berger Provides answers to a variety of questions about the human body including “Why do I blush?” “Why do you need two ears?” “How strong is my hair?”, and “What are goosebumps?” (J 612 BER)

[Our Bodies](#) by Casey Horton Presents a human hair that resembles a tree trunk, bones filled with as many holes as a sponge, tunnels in the skin for sweat to pass through, and other microscopic marvels of the human body. (J 611 HOR)

[The Busy Body Book: a kid's guide to fitness](#) by Lizzy Rockwell An introduction to the human body, how it functions, and its need for exercise. (J 612 ROC)

[Easy Genius Science Projects with the Human Body: great experiments and ideas](#) by Robert Gardner Science projects and experiments about the human body. (J 612 GAR)

[The Blood-Hungry Spleen and other poems about our parts](#) by Allan Wolf More than three dozen poems describe individual parts of the body and what they do for us and for some parts, such as the face, the verses describe how we communicate nonverbally with other people. (J 811.54 WOL)

[Stephen Biesty's Incredible Body Illustrated](#) by Stephen Biesty, written by Richard Platt Uses the perspective of tiny people traveling through a man's body to present its various systems and organs and how they work. (J 611 BIE)

Fiction : Grades K-5

[More Parts](#) by Tedd Arnold A young boy is worried about what will happen to his body when he hears such expressions as “give him a hand” “laugh your head off” and “hold your tongue.” (J PIC ARN)

We're Different, We're the Same: featuring Jim Henson's Sesame Street Muppets by Bobbie Jane Kates Illustrations and simple rhyming text show that while the body parts of various human and Muppet characters may look different, they have similar uses. (J PIC KAT)

[Here Are My Hands](#) by Bill Martin Jr. and John Archambault The owner of a human body celebrates it by pointing out various parts and mentioning their functions, from "hands for catching and throwing" to the "skin that bundles me in." (J PIC MAR)

[Judy Moody, M.D.: the doctor is in!](#) by Megan McDonald Judy is excited about becoming a doctor, especially when Class 3T starts a new unit on the human body, but she learns more about being a patient when she catches tonsillitis from her little brother, Stink. (J FIC MCD)

NonFiction : Grades 6-12

[The Visual Dictionary of the Human Body](#) Text and "exploded view" photographs reveal the human body and how it works. (ADU 611 VIS)

[The Human Body: an overview](#) by Mary Kittredge Examines the human body and its systems, including the nervous, digestive, and immune systems.

[Human Body](#) by Lionel Bender (ADU 612 BEN)

[Growth and Development: the span of life](#) by Torstar Books (ADU 612 GRO)

[Reproduction: the cycle of life](#) by Karen Jensen (ADU 612.6 JEN)

Fiction : Grades 6-12

[Pretty Face](#) by Mary Hogan When an overweight high school student from Santa Monica spends the summer in Italy, she learns to relish life and understand the true meaning of beauty. (YA HOG)

[The Skin I'm In](#) by Sharon G. Flake Thirteen year old Maleeka, uncomfortable because her skin is extremely dark, meets a new teacher with a birthmark on her face and makes some discoveries about how to love who she is and what she looks like. (YA FLA)

[Wintergirls](#) by Laurie Halse Anderson Eighteen year old Lia comes to terms with her best friend's death from anorexia as she struggles with the same disorder. (YA AND)

[Keeping the Moon](#) by Sarah Dessen Fifteen year old Colie, a former fat girl, spends the summer working as a waitress in a beachside restaurant, staying with her overweight and eccentric Aunt Mira, and trying to explore her sense of self. (YA DES)

Teacher Resources

All Ages

[Health Trivia](#) Fascinating facts about the human body.

[Body Parts Word Search](#)

K-5 Activities

[Body Systems](#) Students will act as a team of personal trainers to design, present, and justify an exercise and nutrition plan for an imaginary client and discover how knowledge of the body's systems can help people reach personal health and fitness goals.

[Give Me A Break](#) Through a discussion on broken bones, students will understand the importance of a survey questionnaire, the basics of data collection and graphing, and the concept of relationships between data.

[Life Cycles](#) Students will define the terms "genes" and "heredity", identify learned and inherited behaviors; and describe and compare family traits and characteristics.

6-12 Activities

[Brain Power](#) Students will understand how the brain is the organ of the body that performs the function of memory, short-term memory retains data recently learned, while long-term memory retains data from the past, and how a variety of strategies can be used to train the brain to hold more data in its short term memory.

[Building A Baby](#) Students will understand fetus development and the changes to a mother's body at different gestation periods.

[Changes of Puberty](#) Students will learn about the changes of puberty for boys and girls.

[Eat Right, Stay Fit](#) Students will learn what a healthful diet is and asses their eating habits to determine if they are getting the right foods to stay healthy.

[Good Senses](#) Students will learn how the brain links our senses of taste with our sense of smell, how the tongue can determine only four basic tastes, and how all the more subtle tastes we experience are largely a function of olfactory senses.

[Investigation: Broken Bones](#) Learn about a variety of injuries to the human body, the process of maintaining healthy bones, and the healing process of a broken bone.

[The Musculoskeletal System](#) Conduct research on physical fitness, give a report based on this research, and write an essay on an athlete.

[Your Genes, Your Future](#) Review healthy behaviors, choose a behavior you'd like to improve, and write a letter pledging to make that change.

For additional lesson plans,

visit: <http://school.discoveryeducation.com/lessonplans/body.html#k-5>.

Websites

Databases

A database is a collection of related electronic records in a standardized format, searchable in a variety of ways, such as title, author, subject, and keyword. Common examples of databases are the library catalog and citation indexes. The library subscribes to a variety of websites and also provides access to a state run database known as Inspire. Through each database you can access journal and magazine articles from a variety of sources.

[Inspire](#)

[Student Research Center](#)

Websites

When searching for information on the Internet, you need to find out where the information is coming from. Anyone can create a website so make sure that the information is referenced or is provided by an educated source. An educated source can be from a university/school, a teacher or usually a site that ends in .edu or .org. Some .com sites have good information just make sure that the person that created the website is qualified. If you are not sure, look for their contact information at the bottom of the website.

Health and the Human Body (National Geographic)

(<http://science.nationalgeographic.com/science/health-and-human-body.html>) Get information, facts, photos, news, videos, and more about health and the human body from National Geographic.

The Virtual Body (<http://www.medtropolis.com/VBody.asp>) The Virtual Body includes interesting information about the brain, the digestive system, the heart, and the skeleton in a highly interactive format. At this site, every page provides a new adventure. Students can learn the names and functions of each part of the brain, build a human skeleton from a friendly pile of bones, organize the digestive organs, or take a narrated tour of the human heart.

Body Quest (<http://library.thinkquest.org/10348/>) Slightly older students will enjoy a visit to Body Quest, a fun-filled and informative exploration of the human body intended for students age 11 and above. There they can tour the human body for an overview of the major body systems, stopping frequently along the way to delve more deeply into each system's individual parts. Students will discover how each body system works and find out how each body part contributes to the functioning of the whole body.

Human Anatomy Online (<http://www.innerbody.com/>) A fascinating and fact-filled tour of the human body for students in middle school and above. Students can click on Interactive Anatomy, choose one of several different anatomy systems, and roll a mouse over the system to learn the names and functions of various organs.

Nature's Best: The Human Body

(http://library.thinkquest.org/2935/Natures_Best/Nat_Best_High_Level/Title_Net_Page/Title_page_h.html) A site intended for high school students, provides a extremely comprehensive look at the human body's circulatory, digestive, immune, nervous, muscular, reproductive, respiratory, and skeletal systems.

The Heart: An Online Exploration (<http://www.fi.edu/learn/heart/index.html>) This site includes everything you ever wanted to know about the human heart.

Yucky Kids Site: Muscular System (<http://yucky.discovery.com/flash/body/pg000123.html>) This site describes what muscles do and how they move.

The Human Brain (<http://www.learner.org/discoveringpsychology/brain/index.html>) Students can click a lobe to learn the names, locations, and functions of different parts of the brain.

Seeing, Hearing and Smelling the World (<http://www.hhmi.org/senses/>) This site, for older students, contains lots of information and graphics about the brain, specifically geared toward the senses. The large, detailed graphics make this site slow to load, but the site is highly informative.

Anatomy of the Eye (<http://www.lensshopper.com/eye-anatomy.asp>) The eye can be compared to a camera. They both gather light and transform it into a picture that we can interpret. They both focus the incoming light with the help of a lens. The eye uses the retina to produce an image whilst the camera uses film. To learn more about the inner workings of the eye, just click on the name of the corresponding part in the animation on this Web resource from LensShopper.

Cells Alive! (<http://www.cellsalive.com/>) Students can scroll to the Table of Contents and choose a topic such as OUCH! (anatomy of a splinter) to view great graphics and learn about different kinds of cells.

Kids Health (<http://websrv02.kidshealth.org/kid/index.jsp>) Information for kids on staying healthy, how the body works, growing up, and making smart choices.