HUMAN BODY SYSTEMS Websites (Updated 10/01/2015)

***To open these websites, put mouse over website link (blue-hyperlink) and then press the Ctrl button and left mouse at the same time. This will open the website.***

[www.studyjams.com](http://www.studyjams.com) Slide shows with notes and video clips about science topics: [Heredity](http://studyjams.scholastic.com/studyjams/jams/science/human-body/heredity.htm); [The Human Body](http://studyjams.scholastic.com/studyjams/jams/science/human-body/human-body.htm); [Animal Cells](http://studyjams.scholastic.com/studyjams/jams/science/animals/animal-cells.htm); [Skeletal System](http://studyjams.scholastic.com/studyjams/jams/science/human-body/skeletal-system.htm); [Muscular System](http://studyjams.scholastic.com/studyjams/jams/science/human-body/muscular-system.htm); [Circulatory System](http://studyjams.scholastic.com/studyjams/jams/science/human-body/circulatory-system.htm); [Respiratory System](http://studyjams.scholastic.com/studyjams/jams/science/human-body/respiratory-system.htm); [Nervous System](http://studyjams.scholastic.com/studyjams/jams/science/human-body/nervous-system.htm); [Digestive System](http://studyjams.scholastic.com/studyjams/jams/science/human-body/digestive-system.htm).

<http://www.bbc.co.uk/bitesize/ks2/science/living_things/> Scroll down and click on the links to: Circulation; Skeleton and Muscles

[www.brainpop.com](http://www.brainpop.com) log in: palmbeach password: palmbeach Click on ***Health***, then: Body Systems; Genetics, Growth & Development.
Click on ***Science***, then: Active Transport; Cell Specialization; Cell Structures; Cells, Genetics; Heredity;

Gardendale Elementary school website link for Human Body Systems: <http://teamfifth.weebly.com/human-body.html>

[www.quia.com](http://www.quia.com)

Vocabulary hangman and “Name that Body System” Jeopardy. Go to [www.quia.com](http://www.quia.com) , click on “Visit Quia Web.” Then, locate the “Find a Teacher” box. Type in “Carol Wooten.” Click on the name and then scroll down to the games with the “Human Body” beginning title.

This site provides resource links about each of the body systems as well as interesting facts.

<http://www.kidskonnect.com/subject-index/31-health/337-human-body.html>

This site has links to many fantastic resources on the human body. Many of the sites are focused at the student level.

<http://www.teachers.ash.org.au/jmresources/systems/body.html>

The cartoon videos are from www.kidshealth.org. This “for kids” tab also contains articles, quizzes, word finds, and additional content activities about the human body. It is an excellent resource for both teachers and students. Direct link to “How the Body Works”: <http://kidshealth.org/kid/htbw/htbw_main_page.html#cat20580>

The “Inner Body” site has detailed information for the teacher on each of the body systems.

<http://www.innerbody.com/>

This site provides teacher content and contains printable handouts illustrating the components of each system.

<http://www.enchantedlearning.com/subjects/anatomy>

This site provides additional enrichment investigations with the circulatory, digestive, muscular, nervous, respiratory, and skeletal.

<http://www.henry.k12.ga.us/cur/mybody/content.htm#circulatory>

Links to different Health units/topics: <http://www.childrensuniversity.manchester.ac.uk/interactives/science/>

Human Body Games: <http://www.gamequarium.org/humanbody.html>

CELLS

This site has a wealth of information about animal cells. It includes a section on the structure of cells and the function of cells in the human body. “Biology4kids”explains the concepts of cells to tissues to organs to systems.

<http://biology4kids.com/>

Cells under scanning electron microscope <http://www5.pbrc.hawaii.edu/microangela/index.html>

This site shows the function of each call part. It includes a tutorial, quiz, and game. <http://sheppardsoftware.com/health/anatomy/cell/cell_tutorial.htm>

“Cell Alive” provides a wealth of content information as well as an animated cell model. The content is beyond fifth grade; however, the cell model will allow students to view the inner parts of an animal cell. <http://www.cellsalive.com/cells/3dcell.htm>

VIDEO: The video contains outstanding information on cells, the building blocks of life.

<http://dsc.discovery.com/videos/assignment-discovery-shorts-the-cell.html>

TISSUES

This website provides in depth content on tissues and also includes visuals.

<http://www.exploringnature.org/graphics/teaching_aids/Tissue_identification.pdf>

Engineering/Technology Connection: Engineering Tissues <http://news.discovery.com/videos/tech-engineering-tissue.html>

ORGANS

Note: Many of the organs are included in the websites and videos for the system in which they belong (appendix, bladder, brain, breast, gall bladder, heart, intestines, kidneys, liver, lungs, pancreas, prostate, skin, spleen, stomach, thyroid, uterus, and voice box).

Interesting and “yucky” information about skin can be found at <http://yucky.discovery.com/noflash/body/pg000146.html>

This site shows live footage of organs and students have to guess which organ is being shown in the video.

<http://www.scienceworld.ca/playstuff/bodyworksgames>

**Engineering/Technology Connection**: Regenerating Organs <http://dsc.discovery.com/tv-shows/other-shows/videos/assignment-discovery-shorts-regenerating-organs.htm>

SKELETAL SYSTEMS

This site contains interesting information and “yucky” features about the skeletal system.

<http://yucky.discovery.com/noflash/body/pg000124.html>

Students will be able to build their own skeleton and participate in a brief narrated tour of the skeletal system.

<http://www.medtropolis.com/VBody.asp>

This site shows a cartoon model with the labeled bones. Audio is added to pronounce the major bones in the body.

<http://www.sheppardsoftware.com/health/anatomy/skeleton/Skeleton_tutorial.htm>

VIDEO: This animation provides information for students on the role of the skeletal systems in the human body.

<http://kidshealth.org/PageManager.jsp?lic=1&article_set=59294&cat_id=20607>

Engineering/Technology Connection: Artificial Bones <http://science.discovery.com/videos/kapow-superhero-science-artificial-bones.html>

MUSCULAR SYSTEMS

This site contains interesting information and “yucky” features about the muscular system.

<http://yucky.discovery.com/noflash/body/pg000123.html>

Muscular System video: <http://kidshealth.org/PageManager.jsp?lic=175&dn=GirlsHealthDotGov&article_set=59302&cat_id=20607>

Your Muscles: <http://kidshealth.org/kid/htbw/muscles.html>

In this site, students use the keyboard to control the muscles of a person riding a bicycle. They are able to see how the muscles depend on each other to ride the bike. <http://www.scienceworld.ca/flash_games/bodyworks/muscle_hustle.html>

VIDEO: The cartoon has student friendly vocabulary and effectively explains the functions of the muscular system.

<http://kidshealth.org/PageManager.jsp?lic=1&article_set=59302&cat_id=20607>

Engineering/Technology Connection: Prosthetic Legs <http://science.discovery.com/videos/popscis-future-of-power-prosthetics.html>

NERVOUS SYSTEMS

With this site, students can complete the Stroop experiment online. <http://faculty.washington.edu/chudler/java/ready.html>

This site contains interesting information and “yucky” features about the nervous system.

<http://yucky.discovery.com/noflash/body/pg000136.html>

Smell: <http://yucky.discovery.com/noflash/body/pg000150.html>

Sight: <http://yucky.discovery.com/noflash/body/pg000142.html>

Students will be able to expand their knowledge of brain functioning with this website.

<http://www.e-learningforkids.org/Courses/Liquid_Animation/Body_Parts/Brain/index.html>

This site allows students to explore various views of the brain, learn more about the parts of the brain, and listen to a brief narrated tour on neurons. <http://www.medtropolis.com/VBody.asp>

The online game allows students to assess their reaction time blocking hockey pucks. A content section is also included in the “learn more section.” Note: The puck travels in kph rather than mph. <http://www.scienceworld.ca/flash_games/bodyworks/slapshot.html>

“Neuroscience for Kids” provides detailed content information about the nervous system under the “Explore” tab.

<http://faculty.washington.edu/chudler/neurok.html>

VIDEO: This animated video provides an overview of the nervous system in student language. <http://kidshealth.org/PageManager.jsp?lic=1&article_set=59295&cat_id=20607>

**Engineering/Technology Connection**: Mind-Controlled Robot Uses Human Brain Waves

<http://news.discovery.com/videos/tech-mind-controlled-robot-uses-human-brainwaves.html>

CIRCULATORY/CARDIOVASCULAR SYSTEMS

This site contains interesting information and “yucky” features about the cardiovascular system.

<http://yucky.discovery.com/noflash/body/pg000131.html>

The flow of blood through the circulatory system is simulated with this visual animation. <http://www.kscience.co.uk/animations/blood_system.swf>

The heart is a rotating model that allows the use to examine specific parts of the heart. <http://thevirtualheart.org/anatomyindex.html>

How the blood gets around the body: <http://library.thinkquest.org/5777/cir1.htm>

This site shows an animation of blood flow through the heart. It also provides a brief narrated tour of the human heart.

<http://www.medtropolis.com/VBody.asp>

VIDEO: This cartoon is a source for great information about the cardiovascular system.

<http://kidshealth.org/PageManager.jsp?lic=1&article_set=59298&cat_id=20607>

**Engineering/Technology Connection**:

Artificial Heart <http://videos.howstuffworks.com/howstuffworks/40349-the-stuff-of-genius-the-artificial-heart-video.htm>

Engineering a Heart Valve <http://www.youtube.com/watch?v=9RMx31GnNXY> time from 5:12-5:35

Making Capillaries from Cotton Candy <http://planetgreen.discovery.com/videos/dean-of-invention-making-capillaries-from-cotton-candy.html>

Circulation Station Game: <http://www.nlm.nih.gov/changingthefaceofmedicine/activities/>

Circulatory System video: <http://kidshealth.org/kid/htbw/_bfs_CSmoviesource.html>

RESPIRATORY SYSTEMS

This site contains interesting information and “yucky” features about the respiratory system:

<http://www.teachers.ash.org.au/jmresources/systems/body.html>

Respiratory System video: <http://kidshealth.org/kid/htbw/_bfs_RSmoviesource.html>

Respiratory System: <http://hes.ucfsd.org/gclaypo/repiratorysys.html>

Drag and drop the names of the parts of the respiratory system in this interactive activity:

<http://www.kscience.co.uk/animations/lungs.swf>

Students will be able to enhance their knowledge about the parts of the respiratory system with this interactive activity:

<http://www.e-learningforkids.org/Courses/Liquid_Animation/Body_Parts/Respiratory_System/index.html>

VIDEO: “Bill Nye on Respiration” is an entertaining video presentation on the human body’s respiratory system. The video is in three parts on Gamequarium. <http://www.gamequarium.org/cgi-bin/search/linfo.cgi?id=7328>

VIDEO: The cartoon for students provides content about the how the respiratory system works.

<http://kidshealth.org/PageManager.jsp?lic=1&article_set=59298&cat_id=20607>

Engineering/Technology Connections:

Talcum Powder Fights Lung Cancer <http://videos.howstuffworks.com/university-of-florida/3467-talcum-powder-fights-lung-cancer-video.htm>

New Device for Lung Biopsy—Mayo Clinic <http://www.youtube.com/watch?v=_x6F_JLhEEo>

DIGESTIVE & EXCRETORY SYSTEMS

This site contains interesting information and “yucky” features about the digestive and excretory systems:

Digestive: <http://yucky.discovery.com/noflash/body/pg000126.html>

Excretory: <http://yucky.discovery.com/noflash/body/pg000128.html>

Students are able to assemble the parts of the digestive system in the “Organize Your Organs” section. A short narrated tour provides basic information about the digestive system. <http://www.medtropolis.com/VBody.asp>

This site shows a cartoon model with the components of the digestive system. Audio is added to pronounce the parts of the system.

<http://www.sheppardsoftware.com/health/anatomy/digestion/digestion_tutorial.htm>

Build a Digestive system: <http://nature.ca/discover/exm/blddgstvsystm/index_e.cfm>

VIDEO: The animated video explains both the digestive and excretory system in detailed but kid-friendly terms.

<http://kidshealth.org/PageManager.jsp?lic=1&article_set=59299&cat_id=20607>

VIDEO: This video on the excretory system, which focuses on urine, explains how the body creates and excretes waste.

<http://kidshealth.org/PageManager.jsp?lic=1&article_set=59257&cat_id=20607>

**Engineering/Technology Connection**:

The following excerpts are from <http://www.youtube.com/watch?v=9RMx31GnNXY>

Engineering a Human Bladder Time 5:36-6:27

Engineering a Human Liver Time 6:28-7:19

Printing a Human Kidney Time 9:22-11:50

Brainy Games: <http://faculty.washington.edu/chudler/flash/fgames.html>

All Systems Go! <http://sciencenetlinks.com/interactives/systems.html>

Human Body Quiz Game: <http://www.prongo.com/human/index.html>

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| **Skeletal System Websites*** Kids Health [Skeletal System Video](http://kidshealth.org/PageManager.jsp?lic=1&article_set=59294&cat_id=20607)
* [Skeleton Tutorial with Audio](http://www.sheppardsoftware.com/health/anatomy/skeleton/Skeleton_tutorial.htm)
* [Medtropolis](http://medtropolis.com/virtual-body/) - Skeletal Systemy
* [StudyJam](http://studyjams.scholastic.com/studyjams/jams/science/human-body/skeletal-system.htm) - Skeletal System
 | **Muscular System Websites*** Kids Health [Muscular System Video](http://kidshealth.org/PageManager.jsp?lic=1&article_set=59302&cat_id=20607)
* [Muscle Hustle Interactive](http://www.scienceworld.ca/sites/default/files/flash/games/bodyworks/muscle_hustle.html)
* [StudyJam](http://studyjams.scholastic.com/studyjams/jams/science/human-body/muscular-system.htm) - Muscular System
 |
| **Cardiovascular/Circulatory System Websites*** Kids Health [Circulatory System Video](http://kidshealth.org/PageManager.jsp?lic=1&article_set=59298&cat_id=20607)
* [Medtropolis](http://medtropolis.com/virtual-body/) - Tour of the Human Heart
* Circulatory System [Animation](http://www.kscience.co.uk/animations/blood_system.swf)
* [StudyJam](http://studyjams.scholastic.com/studyjams/jams/science/human-body/circulatory-system.htm) - Circulatory System
 | **Respiratory Websites*** Kids Health [Respiratory System Video](http://kidshealth.org/PageManager.jsp?lic=1&article_set=59298&cat_id=20607)
* [Respiratory System Interactive](http://www.kscience.co.uk/animations/lungs.swf)
* [Respiratory System](http://www.e-learningforkids.org/health/lesson/respiratory-system/)
* [StudyJam](http://studyjams.scholastic.com/studyjams/jams/science/human-body/respiratory-system.htm) - Respiratory System
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