



The Booklist Project



Science Booklist

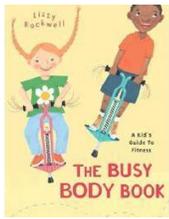
Focus: The Human Body

Grades 5-12

Developed by: S. Allison Mowrer

FALL 2012

Rockwell, L. (2004). *The busy body book: A kid's guide to fitness*. New York, NY: Crown Publishers.



ISBN: 978-0375822032 (Hardcover Binding)
ISBN: 978-0439867849 (Paperback Binding)
WIDA Proficiency Level: Late Developing and up
Reading Level: K-3
Grade Level Equivalent: 4.3
Available Formats: Hardcover, Paperback

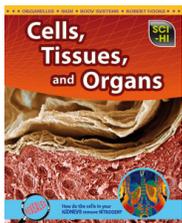
The Busy Body Book connects systems of the human body with exercise and fitness. The diverse children within the book are constantly moving and playing outside to keep themselves healthy, while on the following page there is a diagram of a body system that explains how it works. For example, after encouraging students to get outside and breathe fresh air, the book explains the many different parts of the respiratory system. This book also contains a list of recommended exercises for children and explains how they help the different body systems. English language learners (ELLs) will benefit from being able to connect their real world experiences (i.e. playing soccer or going to the park with friends) with the more difficult scientific concepts. The diagrams of each body system are simplistic yet accurate. These images will help ELLs to see the bigger picture of how all of the systems work together throughout the human body.

Here's a link to a PDF on hosting "An Energetic Busy Body Event" from the book's publisher:
<http://www.randomhouse.com/kids/activities/print/busybody.pdf>

The following recommendation of this book from a pediatrician also includes articles on keeping children healthy:
http://www.keepkidshealthy.com/reviews/childrens_books/busy_body_book.html

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Latham, D. (2009). *Cells, tissues, and organs*. Chicago, IL: Raintree.



**ISBN:** 978-1410932396 (Library Binding)  
**ISBN:** 978-1410932549 (Paperback Binding)  
**WIDA Proficiency Level:** Expanding and up  
**Reading Level:** 4  
**Guided Reading Level:** S  
Accelerated Reader book, 1.0 points  
**Available Formats:** Library binding, Paperback

*Cells, Tissues, and Organs* is a detailed book about all four levels of organization in the human body, although each organ system is only briefly discussed. This book contains the history of the discovery of cells, many magnified images, and short reviews dispersed throughout the text. The text itself is simple and straightforward in some areas, but more lyrical and complicated in others (i.e. "On a basketball court, all the players sizzle on high alert" p 6). This variability would make it difficult for students with lower proficiency levels, but a teacher would be able to select specific selections from this text to use with Developing students. Another great feature is the explanations of the diagrams that are shown in the book. For example, on page 15 there is a Venn diagram that compares healthy red blood cells and sickle cells; next to this diagram is an

explanation of the features of a Venn diagram. There are fascinating “Did You Know?” boxes throughout, plus a list of amazing facts at the end. The index is very detailed and the glossary highlights important technical vocabulary words. The book ends with a great Review and Quiz section; unfortunately, the answers are listed on the same page.

To see a preview of this book, a list of other related titles, and a list of related online documents and books visit: <http://akiavintage.com/read.php?f=MTQ2NTI>

To see related titles, other books in the same series, or correlation with state and national standards: <http://www.capstonepub.com/product/9781410932396>

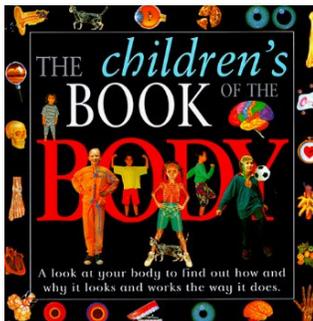
**Sci-Hi** books are specifically developed to cover middle school curriculum at a grade 4 reading level in order to assist struggling readers. The books intentionally include high-interest illustrations and are made to look like magazines.

[http://www.capstonepub.com/category/BRAND\\_SCIHI](http://www.capstonepub.com/category/BRAND_SCIHI)

\*NOTE: I was unable to find the YouTube video listed as a resource in the back of the book, but all other links are still active.

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Sandemann, A. (1996). *The children’s book of the body*. Brookefield, CT: Copper Beech Books.



ISBN: 978-0761305194 (Hardback Binding)
WIDA Proficiency Level: Developing and up
Reading Level: Grades 4-6
Available Formats: Hardback

The Children’s Book of the Body is a children’s encyclopedia of information on the human body. Each chapter gives information on a different system in the body. The chapter on the heart has an especially effective diagram of how and where blood flows into and out of the heart.

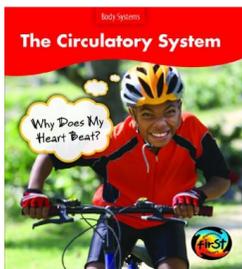
All of the diagrams and corresponding descriptions would help Developing and higher proficiency ELLs to better understand the functions of the body systems and their individual parts. The sentence structure throughout the book is clear-cut and straightforward with explicit definitions, examples, and context clues embedded in all sections. Although I would never anticipate reading this entire book with a classroom, this book is a great reference for students with questions or those completing research projects. This book has a great index but the words in the glossary are unfortunately not highlighted within the text.

This book is used as a resource in the following third grade lesson on comparing the human skeleton to animal skeletons:

http://www.vrml.k12.la.us/3rd/homework/science/unit_activities_SC/unit5/Un5_Act4.htm

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**Barraclough, S. (2008). *The circulatory system: Why does my heart beat?* Chicago, IL: Heinemann Library**



**ISBN:** 978-1432908690 (Library Binding)  
**ISBN:** 978-1432908751 (Paperback Binding)  
**WIDA Proficiency Level:** Developing  
**Reading Level:** 1-3  
**Guided Reading Level:** O  
Accelerated Reader book, 0.5 points  
**Available Formats:** Library binding, Paperback, Spanish

*The Circulatory System* describes the functions of the circulatory system in simplified language and with detailed drawings with simple labels. Important technical vocabulary words are defined in the glossary. The photographs show children and adults in a variety of real-world settings, including at the doctor's office and while exercising, while the clear captions explain how your heart works in each of these situations. The definitions in the glossary are also written in simplified language and the index is very clear.

Please visit the following website to see a preview of this book and determine which federal and state standards it correlates with: <http://www.capstonepub.com/product/9781432908690>

\*NOTE: The Kids Health link in the back of the book did not work, but the Kids Health website has some very interesting information on the heart, including a section in Spanish, which can be found here: [http://kidshealth.org/kid/the\\_heart/index.html](http://kidshealth.org/kid/the_heart/index.html)

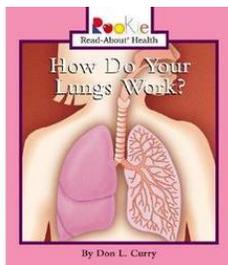
Sue Barraclough also wrote the other books in this series: *The Digestive System: What Makes Me Burp?*, *The Respiratory System: Why Do I Feel Out of Breath?*, *The Sensory System: Why Am I Ticklish?*, and *The Skeletal and Muscular Systems: How Can I Stand on My Head?*. This entire series can be found online: <http://www.capstonepub.com/product/9781432908720>



All of the books including this one have been translated into Spanish and are available online: <http://www.capstonepub.com/product/9781432920586>  
**ISBN:** 978-1432920555

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Curry, D. L. (2003). *How do your lungs work?* New York, NY: Children's Press.



ISBN: 978-0516278568 (Paperback Binding)
ISBN: 978-0516258621 (Library Binding)
WIDA Proficiency Level: Emerging
Grade Level Equivalent: 3.7
Lexile: 690L
DRA: 16-18
Guided Reading: J
Available Formats: Library binding, Paperback

How Do Your Lungs Work? is a part of the Rookie Read-About Health series and describes the respiratory system in simple language. The only complicated language (and the reason for its high reading level) is the scientific terminology. Although there is not a glossary in the back, most of the terminology is clearly illustrated with diagrams. These diagrams are repeated with labels in the “Words You Know” section at the end of the book. The photographs throughout the book are filled with diverse children. This book would be a good introduction to the respiratory system.

Other books in this series by Don L. Curry include *How Does Your Brain Work?* and *How Does Your Heart Work?*.

This book is listed as a resource in the following lesson plans:

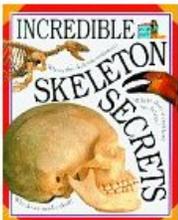
<http://www.yale.edu/ynhti/curriculum/units/2006/5/06.05.05.x.html>. This unit plan is focused on children and medicine, specifically asthma.

The Balloon Lungs activity uses *How Do Your Lungs Work?* as a resource and would also be an appropriate extension when reading this book with your class.

http://wikieducator.org/Balloon_Lungs

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**Wilkes, A. (1994). *Incredible skeleton secrets*. New York, NY: Covent Garden Books.**



**ISBN:** 978-1564587275 (Paperback Binding)

**WIDA Proficiency Level:** Late Developing and up

**Reading Level:** Grades 1 and 2

**Available Formats:** Paperback

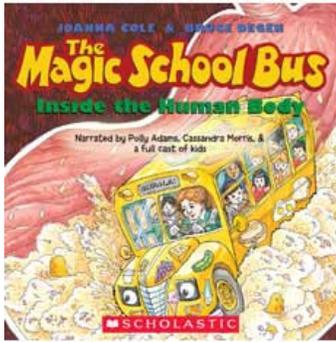
*Incredible Skeleton Secrets* is set up as a simple version of the [DK Eyewitness](#) books. Students will be fascinated by the multitude of bones pictured in this small book. The author compares human bones with those of other animals to show their similarities and differences. The section on the human skull that explains how we make faces will especially grab a student’s attention. Although this book is listed as having a reading level for grades 1 or 2, the demanding vocabulary might make it more complicated for lower proficiency or intermediate ELLs. The bones will draw the interest of many students, but because they are separated from images of the animal or the actual body parts, ELLs might struggle to understand exactly what they are looking at. For example, one page compares the arm bones of a human to the flippers of a sea lion and the forearm/wing bones of a bat (p 18-19). Students without prior knowledge and English vocabulary for these body parts might become confused. However, for those students with higher proficiency levels and a strong interest in this topic, this small book could provide hours of interesting reading and researching.

This book is listed as a resource for the following third grade lesson plan on bones and muscles:

<http://www.cstone.net/~bcp/3/3NSci.htm>

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Cole, J. (1989). *The magic school bus: Inside the human body*. New York, NY: Scholastic.



ISBN: 978-0590414272 (Paperback Binding)

ISBN: 978-0545240833 (Paperback Binding with CD)

ISBN: 978-0780706279 (Hardcover Binding)

ISBN: 978-0590726337 (Board book)

WIDA Proficiency Level: High Developing and up

Grade Level Equivalent: 4.6

Lexile: 520L

DRA: 38

Guided Reading: P

Available Formats: Hardback, Paperback, Board book, CD, Spanish

The Magic School Bus series is very popular because it makes science fun, as well as educational. In this title, the bus travels through Arnold and examines the different systems, parts, and organs within his body, including the digestive, circulatory, respiratory, and nervous systems. As with all of the books in this series, there are many short “reports” along the sides of each page, which give extra information on the systems and definitions of important words. These extra pieces make this text more challenging for ELLs in particular because they require more knowledge of academic and content vocabulary, and draw the reader’s attention away from the main plot. However, through small group or whole group reading, a teacher could skip over some of the extraneous information in order to focus on the most important details and help ELLs better understand the topic. This book is a good example of ways to connect fiction to non-fiction and could help students who are comfortable with the narrative genre.



There is also an out-of-print Spanish version of this book: *El autobús mágico en el cuerpo humano*. This book is a direct translation of the English book and is available at Amazon.com: http://www.amazon.com/El-autobús-mágico-cuerpo-humano/dp/0590464280/ref=pd_cp_mov_2
ISBN: 978-0590464284

Scholastic teacher’s guide:

http://shop.scholastic.com/webapp/wcs/stores/servlet/ProductDisplay_68213_-1_10001_10002

To purchase another teacher’s guide (paperback or ebook):

<http://www.teachercreated.com/products/a-guide-for-using-the-magic-school-bus-inside-the-human-body-in-the-classroom-0815>

Here’s preview of the book’s pages:

<http://warehouse.tecknoquest.com/samples/BKRr/tcr0815s.pdf>

Here’s another teacher’s guide on The Human Body, which includes lessons for this book:

<http://www.amazon.com/The-Human-Body-Thematic-Unit/dp/1557342350>

Here’s a preview of a few pages:

<http://freedownloadb.com/pdf/thematic-unit-bthe-human-b-bbody-b-12461518.html>

Downloadable questions about this book*:

<http://freedownloadb.com/pdf/the-magic-school-bus-inside-the-human-body>

Core Knowledge: Anatomy Across the Grades K-5 pdf (including lesson plans which use this book)*:

<http://freedownloadb.com/pdf/anatomy-across-the-grades-k-5-core-knowledger-foundation-1034987.html>

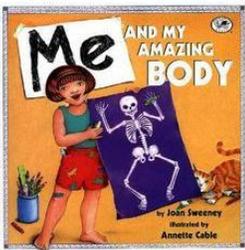
School Gets on Our Nervous System lesson plan for 3rd grade*:

<http://freedownloadb.com/pdf/bschool-b-gets-on-our-nervous-system-core-knowledger-foundation-6147443.html>

*You can download these files to Google docs by clicking on the arrow inside a square icon in the top right corner above the document. Other downloadable Magic School Bus related resources can also be found here: <http://freedownloadb.com/pdf/the-magic-school-bus-inside-the-human-body>

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**Sweeney, J. (1999). *Me and my amazing body*. New York, NY: Dragonfly Books.**



**ISBN:** 978-0375806230 (Paperback Binding)

**ISBN:** 978-0613261708 (School and Library Binding)

**WIDA Proficiency Level:** Emerging and Developing

**Grade Level Equivalent:** 2.9

**Lexile:** 710L

**DRA:** 28

**Guided Reading:** M

**Available Formats:** Library binding, Paperback

This book is one of five in Joan Sweeney's *Me* series and continues the narrator's journey as she learns about herself and her place in the world. This book touches on all of the major body systems including skin, skeleton, nervous, and circulatory. Occasionally throughout the book the comparisons or details are disconnected from the topic and require more advanced vocabulary than many ELLs have. For example, when discussing the skin, the narrator refers to touching "my kitty's soft fur or the prickly spikes of my cactus." Both of these are pictured on the same page but without labels. ELLs reading this book independently might struggle somewhat depending on their prior knowledge and experience with the topic. The labeled diagram of body parts at the beginning and of internal parts at end of the book would be useful with Entering students. The narrator of the story draws a picture of her body throughout the book. This project with labels and detailed internal organs could be a fun one for your class.

This book is listed by Science World British Columbia as a resource for science activities for younger children in this activity planner:

[http://www.scienceworld.ca/pdf/activities/bslh\\_amazingme\\_final.pdf](http://www.scienceworld.ca/pdf/activities/bslh_amazingme_final.pdf)

It is also listed as an extension for this lesson plan:

<http://www.beaconlearningcenter.com/Lessons/2220.htm>

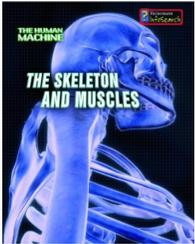
This book is also one of the resources for this lesson plan:

<https://www.trussvillecityschools.com/Staff/Melanie.Glover/Teachers/1st%20Grade%20Fill-in%20the%20Holes%20Resources/1st%20handbook.pdf>

This lesson plan includes poetry, songs, and a take-home book about the human body, as well as a great picture of a labeled skeleton.

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Spilsbury, L. (2008). *The skeleton and muscles*. Chicago, IL: Heinemann Library.



ISBN: 978-1432909086 (Library Binding)
ISBN: 978-1432909154 (Paperback Binding)
WIDA Proficiency Level: Expanding and up
Grade Level: 4+
Reading Level: 3-6
Available Formats: Library binding, Paperback

The Skeleton and Muscles by Louise Spilsbury provides a wide variety of detailed information about these two body systems, their parts, their functions, and how they work together. The text is set up as a series of chapters which answer “simple” questions that children ask (i.e. What Are Bones Made Of? or How Do Muscles Work?). Each short chapter contains well-labeled photographs and illustrations that help to explain the topic. Due to the compact, in depth nature of the text, this book would not be useful with beginning or intermediate ELLs, but could help Expanding and Bridging students who are trying to understand this content but struggling with grade level materials or textbooks. Many of the photographs have athletes and multi-ethnic, modern teenagers in them, which also adds to the interest level. All words that are in bold in the text are defined in the glossary, but they are also defined well within the context of the chapter.

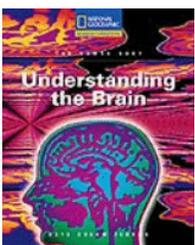
Some pages can be previewed online at:

http://books.google.com/books/about/The_Skeleton_and_Muscles.html?id=t_ycJCsRMMC

Other books in this series include *Cells, Tissues and Organs, Reproduction and Genetics*, and *The Brain and Nervous System* by Richard Spilsbury and *Digestion and Excretion and Respiration and Circulation* by Louise Spilsbury. Information on this entire series can be found at <http://www.CapstoneClassroom.com/product/9781432909161>.

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**Jerome, K. B. (2003). *Understanding the brain*. Washington, DC: National Geographic Society.**



**ISBN:** 978-0792288596 (Paperback Binding)  
**WIDA Proficiency Level:** Late Expanding and Bridging  
**Guided Reading Level:** W-X  
**Fry:** 5.2  
**Lexile:** 810  
Accelerated Reader book, 0.5 points  
**Available Formats:** Paperback

*Understanding the Brain* focuses on the nervous system and its function. The non-fiction information is often told through a narrative structure, which could provide some connection to the topic for an English learner. The *Hands-on Science* experiment at the end of the book (*How Fast Can You Respond?*) is a simple activity that would help students understand the impact of distraction on the brain. Important scientific words are defined within the text and in the glossary. Tips for teachers, including reading skills and strategies, vocabulary words, writing and science activities, and background information are listed on the front endpaper. The well-labeled illustrations and photographs make connections between humans, robots, and animals. They also represent diverse people doing a wide variety of activities. Students will especially appreciate the images of brain scans and the diagrams of the inside of each sensory organ.

Teacher's Guide with activities: [http://www.ngsp.com/Portals/0/Downloads/41255\\_tg.pdf](http://www.ngsp.com/Portals/0/Downloads/41255_tg.pdf)

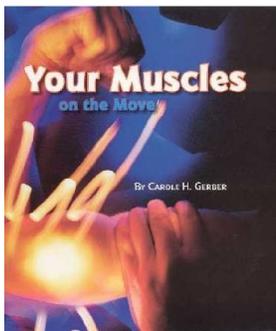
Other books in the Human Body series include *Fighting Disease* by Kate Boehm Jerome, *The Human Machine* by Catherine Stephens, *Keeping Fit* by Peter Winkler, *Making Healthy Choices* by Carolyn Newton, *Bones and Muscles* by Rebecca Johnson, and *Respiration and Circulation* by Rebecca Johnson and can be found here: [http://lb.ec2.nxtbook.com/nxtbooks/ngsp/prek-12\\_11-12/index.php?startid=176#/180](http://lb.ec2.nxtbook.com/nxtbooks/ngsp/prek-12_11-12/index.php?startid=176#/180)

\*NOTE: All but one of the websites listed in the back of the book still work. The BrainPop site can be now be found here:

<http://www.brainpop.com/health/bodysystems/nervoussystem/preview.weml>

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Gerber, C. H. (2005). *Your muscles on the move*. Chicago, IL: Wright Group.



ISBN: 978-1404528819 (Paperback Binding)
WIDA Proficiency Level: Late Developing and up
Guided Reading Level: R
Available Formats: Paperback

Available through Bookshare for those with print disabilities:
<https://www.bookshare.org/browse/book/377875?returnPath=L2Jyb3dzZS9jYXRIZ29yeT9tb2R1bGVOYW1lPXB1YmxpYyZvZmZzZXQ9MzYyNTAm a2V5PU5vbmZpY3Rpb24%3D>

Your Muscles on the Move covers the three different types of muscles, how muscles work, how to keep muscles healthy, and diseases that effect muscles. This book contains facts that students will find interesting, like which muscle is fastest, how the muscles in your eye work, and how to properly carry a box or sit at a desk. The glossary at the end contains important technical vocabulary words that are bolded within the text. The text itself is supported by the variety of photographs and diagrams throughout that book. Late Developing ELLs and other more advanced English learners will be able to enhance their knowledge of this body system through independent reading and research of this text. Students will learn the most from the pictures with drawings of muscles on top of them, which show exactly what the muscles would look like underneath the skin.

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REACH. INSPIRE. CONNECT.



## The Booklist Project

A Project of the  
M.Ed. In TESL Program,



Feinstein School of Education and Human  
Development  
Rhode Island College

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