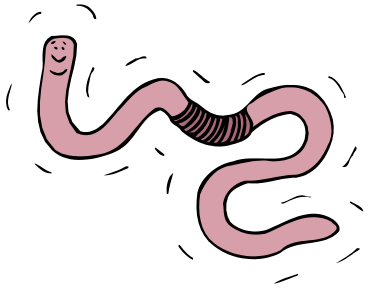
Dig In! Soil Resources:

A Selective Bibliography for Grades K-8 from the Teaching Resources Center at UNCG



Books:

Bial, R. (2000). *A handful of dirt*. New York: Walker & Company.
Discusses the nature and importance of soil and the many forms of life it supports. (577.5 BIA)

Bonnet, Robert L. & Keen, G. Daniel. (1990). *Environmental Science: 49 Science Fair Projects*. Blue Ridge Summit, PA: TAB Books.
Suggests forty-nine projects in environmental science, suitable for the classroom or a science fair. (628.078-B)

Cronin, Doreen. (2003). *Diary of a Worm*. New York: Joanna Cotler Books.
A young worm discovers, day by day, that there are some very good and some not so good things about being a worm in this great big world. (E-CRO)

Ditchfield, Christin. (2002). *Soil*. New York: Children's Press.
Describes the thin coating of soil that covers most of the Earths land areas, and the many ways in which humans use, abuse, and try to protect the soil. (631.4 DIT)

Englehart, Deirdre. (2000). *Soil: A Hand's-On, Minds-On Approach*. McGraw- Hill Children's Publishing.
The National Science Education Standards are woven into easy-to-use, hands-on lessons in this activity book for teachers. For Grades K-1. (631.4 ENG)

Farndon, John. (2004). *Life in the Soil*. San Diego: Blackbirch Press.
Describes the characteristics of soil and the types of plants and animals that survive in it. Includes instructions for activities such as making a wormery. (577.5 FAR)

Glaser, Linda. (1992). *Wonderful Worms*. Brookfield, Conn: Millbrook Press.
Describes the physical characteristics, behavior, and lifecycle of the common earthworm. (595.1-G)

National Gardening Association. (1990). *GrowLab: Activities for Growing Minds*. Burlington, VT: National Gardening Association.
A K-8 curriculum guide for use with an indoor classroom garden, from a windowsill to a homemade or ready-to-assemble GrowLab Indoor Garden. (635 PR)

National Science Resources Center. (2002). *Soils: Teacher's Guide*. Washington, DC: National Academy of Sciences.
Provides students with stimulating experiences about soil, while simultaneously developing their critical-thinking and problem-solving skills. Grade 2. (SCI NSRC SOI)

National Science Resources Center. (1996). *Soils: Student Notebook*.
Washington, DC: National Academy of Sciences.
A workbook for students to record their observations and findings for soil experiments and activities. The *Student Notebook* accompanies the *Soils Teacher's Guide*. Grade 2. (SCI NSRC SOL ST)

National Science Teachers Association. (2001). *Dig In: Hands-on Soil Investigations*.
Arlington, VA: NSTA Press.
Using these 12 activities and two original stories as guides, kids will soon be up to their elbows in the study of soil formation, habitats and land use, animals that depend on soil, plants that grow in soil, soil science, and soil conservation. (631.4072 DIG)

Nelson, R. (2005). *Soil*. Minneapolis, MN: Lerner Publications.
This book discusses soil and explains its role as a fundamental component of Earth. (631.4 NEL)

Richardson, Adele D. (2002). *Soil*. Mankato: Capstone Press.
Discusses the different types of soil, its properties, erosion, pollution, and how humans can protect soil. (631.4-RIC)

Roa, Michael L. (1993). *Environmental Science Activities Kit*. New York: The Center for Applied Research in Education.
Provides ready-to-use lessons, labs, and worksheets for grades 7-12. (574.5 ROA)

Ross, Michael Elsohn. (1996). *Wormology*. Minneapolis, MN: Carolrhoda Books, Inc.
Wormology is the study of worms—those long, slithery critters found in the ground. This book helps children become wormologists through simple, entertaining activities. (595 RO)

Rybolt, Thomas R. & Mebane, Robert C. (1993). *Environmental Experiments About Land*. Hillside, NJ: Enslow Publishers.
Presents experiments that explore the properties and erosion of soil, recycling, and organic waste. (631.4078 RY)

Tomecek, S. (2002). *Dirt*. Washington, DC: National Geographic.
Explores how soil is formed, its layers, and its importance as a natural resource that living things need to survive. (631.4 TOM)

Websites:

The Adventures of Herman (The Autobiography of Squirmin' Herman the Worm)
http://www.urbanext.uiuc.edu/worms
Students will learn about the life of an earthworm.

"Ag"-tivities for Soil-minded Citizens
http://www.ars.usda.gov/Main/docs.htm?docid=16299
Links to activities for "Super Science Soil Sleuths" (elementary grade levels), "Operation Colored Mulch" (middle school grade levels), and "Agricultural Activities for Dirty Soiled Minds" (HS grade levels).

Sammy Soil – A Downloadable Coloring Book from the U.S. Environmental Protection Agency
http://www.epa.gov/gmpo/edresources/ssoil.html