

Teaching Science

Curriculum Materials Center

This bibliography suggests resources for educators to use for lesson plans in the K-12 Science classroom. A current list of web resources for science educators, selected by library staff at William Paterson University is available at:
<http://www.wpunj.edu/library/currmatst/topics/sci.shtml>

Textbooks:

Chemistry. (2005). Upper Saddle River, NJ: Prentice Hall.

Call number: Curr.Mats. [Text] 540 Pre 2005 Gr. 10-12

Earth Science. (2006). Upper Saddle River, NJ: Pearson/Prentice Hall.

Call number: Curr.Mats. [Text] 550 Pre 2006 Gr. 9-12

Global issues. (2000). Dubuque, IA: Kendall/Hunt Publishing Company.

Call number: Curr.Mats. [Text] 500 Ken 2000 H.S. v.1-2

Harcourt science. (2002). Orlando, FL: Harcourt School Publishers.

Call number: Curr.Mats. [Text] 500 Har 2002 Gr. 1-6

Life Science. (2005). New York: Glencoe/McGraw Hill.

Call number: Curr.Mats. [Text] 574 Gle 2005 Gr. 6-8

Physics: Principles and problems. (2005). New York: Glencoe/McGraw Hill.

Call number: Curr.Mats. [Text] 530 Gle 2005 Gr. 10-12.

Prentice Hall biology. (2002). Upper Saddle River, NJ: Prentice Hall.

Call number: Curr.Mats. [Text] 574 Pre 2002 Gr. 9-10

Science explorer. (2002). Upper Saddle River, NJ: Prentice Hall.

Call number: Curr.Mats. [Text] 500 Pre 2002 Gr. 6-8

Scott Foresman science. (2003). Glenview, IL: Scott Foresman.

Call number: Curr.Mats. [Text] 500 Sco 2003 Gr. K-6

Teaching Resources:

- Barhydt, F. B. (1993). *The science teacher's book of lists*. Englewood Cliffs, NJ: Prentice Hall. (Grades K-12).
Call number: Curr.Mats. LB1585 .B286 1993
- Butzow, C. (2000). *Science through children's literature: An integrated approach*. (2nd ed.). Englewood, CO: Teachers Ideas Press. (Grades K-3).
Call number: Curr.Mats. LB1585 .B85 2000
- Center for Science, Mathematics, and Engineering Education. (1999). *Selecting instructional materials: A guide for K-12 science*. Washington, DC: National Academy Press. (Grades K-12).
Call number: Curr.Mats. LB1585.3 .C45 1999
- Classroom Connect. (1998). *Webguide: Science: Teacher-selected internet resources, with ideas for classroom use*. Lancaster, PA: Classroom Connect. (Grades 7-12).
Call number: Curr.Mats. Q181.7 .W435 1998
- Ebenezer, J.V. (2003). *Science on the internet: A resource for K-12 teachers*. Upper Saddle River, NJ: Merrill. (Grades K-12).
Call number: Curr.Mats. LB1585 .E189 2003
- Fleming, M. F. (2002). *Biology teacher's survival guide: Tips, techniques & materials for success in the classroom*. Paramus, NJ: Center for Applied Research in Education. (Grades 9-12).
Call number: Curr.Mats. QH315 .F59 2002
- Fredericks, A.D. (1998). *Science adventures with children's literature: A thematic approach*. Englewood, CO: Teacher Ideas Press. (Grades 1-6).
Call number: Curr.Mats. LB1585.3 .F72 1998
- Fredericks, A.D. (2000). *Science discoveries on the net: An integrated approach*. Englewood, CO: Libraries Unlimited. (Grades K-6).
Call number: Curr.Mats. Q182.7 .F73 2000
- Jorgenson, O. (2004). *Doing good science in middle school: A practical guide to inquiry-based instruction*. Arlington, VA: NSTA Press. (Grades 6-8).
Call number: Curr.Mats. Q181 .J69 2004
- Keane, N. J. (2002). *Teaching science through literature, grades 6-8*. Worthington, OH: Linworth Learning. (Grades 6-8).
Call number Curr.Mats. Q197 .K43 2002

National Science Teachers Association. (2001). *Celebrating cultural diversity: Science learning for all*. Arlington, VA: National Science Teachers Association. (Grades K-12).

Call number: Curr.Mats. Q183.3 .C45 2001

National Science Teachers Association. (2003). *Mixing it up: Integrated, interdisciplinary, intriguing science in the elementary classroom*. Arlington, VA: National Science Teachers Association. (Grades K-5).

Call number: Curr.Mats. LB1585.3 .M59 2003

National Science Teachers Association. (2000-2004). *Pathways to the science standards: Guidelines for moving the vision into practice*.

Arlington, VA: National Science Teachers Association.

Call number: Curr.Mats. Q181 .P3382 2000 (Grades K-5).

Call number: Curr.Mats. Q181 .P3384 2000 (Grades 6-8).

Call number: Curr.Mats. Q181 .P3384 2004 (Grades 9-12).

Strauss, M.J. (1997). *The magical classroom: Exploring science, language, and perception with children*. Portsmouth, NH: Heinemann. (Grades 5-8).

Call number: Curr.Mats. LB1585.3 .S78 1997

Victor, E. (2000). *Science for the elementary and middle school*. Upper Saddle River, NJ: Merrill. (Grades K-8).

Call number: Curr.Mats. LB1585 .V46 2000

Lesson Plan Activities:

Bain, A.J. (2001). *Physical sciences: Curriculum resources and activities for school librarians and teachers*. Englewood, CO: Teacher Ideas Press. (Grades K-8).

Call number: Curr.Mats. LB1585 .B235 2001

Bell, R. L., & Garafolo, J. (Eds.). (2005). *Science units for grades 9-12*. Eugene, OR: International Society for Technology in Education. (Grades 9-12).

Call number: Curr.Mats. Q183.3 .A1 .S377 2005

Bunk, T. (2006). *Quantoons*. Arlington, VA: NSTA Press. (Grades 9-12).

Call number: Curr.Mats. Q182 .B855 2006

Burkett, K. (2000). *Super science crosswords: 15 reproducible crossword puzzles using engaging diagrams that help kids learn about plants, animals, and other science topics you teach*. New York: Scholastic Books. (Grades 3-5).

Call number: Curr.Mats. LB1585 .B87 2000

- Carin, A. A. (2005) *Activities for teaching science as inquiry*. Upper Saddle River, NJ: Pearson/Merrill/Prentice Hall. (Grades K-8).
Call number: Curr.Mats. LB1585 .C267 2005
- Chahrour, J. & Williams, A. H. (2000). *Flash! Bang! Pop! Fizz!: Exciting science for curious minds*. Hauppauge, NY: Barron's. (Grades 5-9).
Call number: Curr.Mats. Q164 .C415 2000
- Cothron, J. H. (2006). *Science experiments and projects for students*. Dubuque, IA: Kendall/Hunt Publishing Co. (Grades 6-12).
Call number: Curr.Mats. Q182.3 .C674 2006
- Diamond, J. (Ed.). (2006). *Virus and the whale: Exploring evolution in creatures small and large*. Arlington, VA: NSTA Press. (Grades 6-8).
Call number: Curr.Mats. QH362 .V57 2006
- Glandon, S. (2000). *Caldecott connections to science*. Englewood, CO: Libraries Unlimited. (Grades K-4).
Call number: Curr.Mats. LB1585.3 .G53 2000
- Hamilton, G. L. (2005). *Content-area graphic organizers: Science*. Portland, ME: J. Weston Walch. (Grades 7-12).
Call number: Curr.Mats. Q181 .H36 2005
- Hamilton, G. L. (2002). *Content-area writing strategies: Science*. Portland, ME: J. Weston Walch. (Grades 7-8).
Call number: Curr.Mats. Q182 .H362 2002
- Hoehn, R.G. (2001). *Science jumpstarters!; 175 ready-to-use earth, life & physical science activities for grades 6-12*. Paramus, NJ: Center for Applied Research in Education. (Grades 6-12).
Call number: Curr.Mats. Q181 .H715 2001
- Kalumuck, K. E. (2005). *Human body explorations: Hands-on investigations of what makes us tick*. Dubuque, IA: Kendall/Hunt Publishing Co. (Grades 5-8).
Call number: Curr.Mats. QP37 .K23 2005
- Keef, P. (2004). *Biology challenge: A classroom quiz game*. Portland, ME: Walch Publishing. (Grades 6-12).
Call number: Curr.Mats. QH316.4 .K44 2004

- Kohl, M. F. (1993). *Science arts: Discovering science through art experiences*. Bellingham, WA: Bright Ring Pub. (Grades K-4).
Call number: Curr.Mats. Q164 .K64 1993
- Margolin, M. (2000). *The ABCs of chemistry*. Portland, ME: J. Weston Walch. (Grades 6-9).
Call number: Curr.Mats. QD43 .M37 2000
- Nespeca, S. M. (2003). *Picture books plus: 100 extension activities in art, drama, music, math, and science*. Chicago: American Library Association. (Grades K-3).
Call number: Curr.Mats. LB1044.9 .P49 N47 2003
- O'Brien-Palmer, M. (1998). *Sense-abilities: Fun ways to explore the senses: Activities for children 4 to 8*. Chicago: Chicago Review Press. (Grades K-4).
Call number: Curr.Mats. QP434 .O347 1998
- Olien, R. (1997). *Exploring plants*. New York: Scholastic Professional Books. (Grades 2-4).
Call number: Curr.Mats. QK52.55 .O58 1997
- Phelan, G. (2004). *Earth Science challenge: A classroom quiz game*. Portland, ME: Walch Publishing. (Grades 6-12).
Call number: Curr.Mats. QE42 .P54 2004
- Presley, B. (2002). *Chemistry challenge!: A classroom quiz game*. Portland, ME: Walch Publishing. (Grades 6-12).
Call number: Curr.Mats. QD42 .P74 2002
- Presley, B. (2004). *Physics challenge!: A classroom quiz game*. Portland, ME: Walch Publishing. (Grades 6-12).
Call number: Curr.Mats. QC32 .P74 2004
- Reeske, M. (2001). *The life cycle of everyday stuff*. Arlington, VA: NSTA Press. (Grades 6-12).
Call number: Curr.Mats. QH541 .R448 2001
- Strauss, M.J. (1995). *Where puddles go: Investigating science with kids*. Portsmouth, NH: Heinemann. (Grades K-6).
Call number: Curr.Mats. QC26 .S77 1995
- Taylor, B.A.P. (1995). *Teaching physics with TOYS: Activities for grades K-9*. New York: Learning Triangle Press. (Grades K-9).
Call number: Curr.Mats. QC39.5 .T39 1995

Tolman, M.N. (1996). *Hands-on life science activities for grades K-8*.
West Nyack, NY: Parker Publishing Company. (Grades K-8).
Call number: Curr.Mats. QH315 .T598 1996

VanCleave, J.P. (1993). *Janice VanCleave's 200 gooey, slippery, slimy, weird & fun experiments*. New York: Wiley. (Grades 3-8).
Call number: Curr.Mats. Q164 .V37 1993

Warren, P. & Galle, J. (2005). *Exploring ecology: 49 ready-to-use activities for grades 4-8*. Arlington, VA: NSTA Press. (Grades 4-8).
Call number: Curr.Mats. QH541.2 .W295 2005

Reference Materials: Available in the Curriculum Materials Reference Room

Ammon, B.D. (1996). *Worth a thousand words: An annotated guide to picture books for older readers*. Englewood, CO: Libraries Unlimited.
Call number: Curr.Mats. Ref. Z1023 .A55 1996

Educators guide to free science materials. (2007-2008). Randolph, WI: Educators Progress Service, Inc.
Call number: Curr.Mats. Ref. Q181 .A1 E34 2007/08

Lima, C. & Lima J. A. (2006). *A to zoo: Subject access to children's picture books*. (7th ed.). Westport, CT: Libraries Unlimited.
Call number: Curr.Mats. Ref. Z1037 .L715 2006

Pilger, M. A. (2002). *Science experiments index for young people*. (3rd ed.). Englewood, CO: Libraries Unlimited.
Call number: Curr.Mats. Ref. Q182.3 .P55 2002

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