

# CURRICULAR RESOURCES FOR HIGH-ABILITY LEARNERS

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As a component of our curriculum development work at the Center for Gifted Education at the College of William and Mary, we have reviewed a wide variety of materials within each major subject area. On the basis of the criteria outlined in this chapter, we have identified a number of resources appropriate for use with high-ability learners, as well as teacher resources that are particularly helpful in training curricula for these students. Teachers will need to make selections from these lists based on their instructional *objectives* and the level of student development.

## LANGUAGE ARTS

*American Heritage Dictionary of the English Language* (4th ed.). (2000). Boston: Houghton-Mifflin.

*The American reader: Words that moved a nation.* (1990). Edited by D. Ravitch. New York: Harper Perennial.

*Art of the forties.* (1991). Edited by R. Castleman. New York: Museum of Modern Art and Abrams.

*The arts: A history of expression in the 20th century.* (1991). By R. Tamplin. New York: Oxford University Press.

*Audiences and intentions: A book of arguments.* (1991). By N. M. Bradbury & A. Quinn. New York: Macmillan.

*Children in the Holocaust and World War II: Their secret diaries.* (1992). Edited by L. Holliday. New York: Pocket Books.

*Children of promise: African American literature and art for young people.* (1991). Selected by C. Sullivan. New York: Abrams.

*Conversations: Readings for writing.* (1991). By J. Selzer. New York: Macmillan.

*The democracy reader: Classic and modern speeches, essays, poems, declarations, and documents on freedom and human rights worldwide.* (1992). Edited by D. Ravitch & A. Thernstrom. New York: Harper Perennial.

*Educating for diversity: An anthology of multicultural voices.* (1995). Edited by C. A. Grant. Boston: Allyn and Bacon.

*Here is my kingdom: Hispanic American literature and art for young people.* (1994). Selected by C. Sullivan. New York: Abrams.

*Hispanic, female, and young: An anthology.* (1994). Edited by P. Tashlik. Houston, TX: Pinata Books.

*Merriam Webster's Collegiate Dictionary* (10th ed.). (1993). Springfield, MA: Merriam-Webster.

*One world, many cultures.* (1992). Selected by S. Hirschberg. New York: Macmillan.

*Our family our friends our world: An annotated guide to significant multicultural books for children and teenagers.* (1992). By L. Miller Lachmann. New Providence, NJ: Bowker.

*Talking to the sun.* (1985). Edited by K. Koch & K. Farrell. New York: New York Metropolitan Museum of Art and Henry Holt.

*Writing: The story of alphabets and scripts.* (1992). By G. Jean. (Jenny Oates, Trans.). New York: Abrams.

## MATHEMATICS

*Challenge of the unknown.* (1986). Produced by A. M. Derry & D. A. Hudson. Wilkes Barre, PA: Karol Media.

*Discovering geometry: An inductive approach* (2nd ed.). (1997). By M. Serra. Berkeley, CA: Key Curriculum Press.

*EPGY (Education Program for Gifted Youth).* Stanford University continuing education program. Online: <http://www-csli-stanford.edu/epgy>

*Jane and johnny love math: Recognizing and encouraging mathematical talent in elementary students: A guidebook for educators and parents.* By A. E. Lupkowski & S. G. Assouline. Unionville, NY: Royal Fireworks Press.

*Krypto.* [Card game]. Palo Alto, CA: Pearson Learning.

*Terrapin logo.* (2000). [Computer Software]. Cambridge, MA: Terrapin Software.

*Mathematics: A human endeavor.* (1994, 3rd ed.). By H. Jacobs. New York: W. H. Freeman.

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*Maya Math.* (1995). [Computer software]. By Maya Math: Bank Street College Project in Science and Mathematics. Pleasantville, NY: Sunburst/WINGS for Learning.

*SET.* [Card game]. Fountain Hills, AZ: SET Enterprises. Online: <http://viww.setgame.com>

*Techniques of problem solving (TOPS).* Palo Alto, CA: Seymour.

*Teaching integrated math and science (TIMS).* By the Institute for Mathematics and Science Education. Chicago: University of Illinois at Chicago.

*Teaching mathematics. A sourcebook of aids, activities, and strategies.* (1988). By M. Sobel & E. Maletsky. New York: Prentice Hall.

*Transition mathematics* (2nd ed.). (1995). By Z. Usiskin, J. Flanders, C. Hynes, L. Polonsky, S. Porter, & S. Viktoria. Glenview, IL: Scott, Foresman.

*Twists and turns and tangles in math and physics.* By S. Katzoff. Baltimore: IAAY Publications and Resources, Johns Hopkins University.

The National Council of Teachers of Mathematics publishes numerous resources for teachers of mathematics. A catalog can be obtained from NCTM at (800) 235-7566.

## SCIENCE

*Biological science: A molecular approach (BSCS Blue Version).* (1990). Developed by Biological Sciences Curriculum Study. Lexington, MA: D. C. Heath.

*Challenge of the unknown.* (1986). Produced by A. M. Derry & D. A. Hudson. Wilkes-Barre, PA: Karol Media.

*Chemical education for public understanding program (CEPUP).* (1990-present). Developed by Lawrence Hall of Science. Menlo Park, CA: Addison-Wesley.

*Elementary science study (ESS).* (1966-1986). Developed by Education Development Center. Hudson, NH: Delta Education.

*Foundational approaches in science teaching (FAST).* (1990) Honolulu: University of Hawaii: Curriculum Research and Development Group.

*Full option science system (FOSS).* (1990-present). Developed by Lawrence Hall of Science. Chicago, IL: Encyclopedia Britannica.

*Great explorations in math and science (GEMS).* (1990-present). Developed by Lawrence Hall of Science. Berkeley, CA: University of California.

*Insights: A hands-on elementary science curriculum.* (1991 present). Developed by Education Development Center. Warren, NJ: Optical Data.

*LEGO TC logo.* (1989). [Computer Software]. Enfield, CT: Lego Systems.

*Middle school of life science.* (1991). Developed by Jefferson County, Colorado, Public Schools. Dubuque, IA: Kendall/Hunt.

*National Geographic Kids network.* (1990-present). Washington, DC: National Geographic Society.

*Science -A process approach (SAPA, SAPA 11).* (1960-1974). Developed by American Association for the Advancement of Science. Hudson, NH: Delta Education.

*Science and technology for children (STC).* (1991-present). Developed by National Science Resources Center. Burlington, NC: Carolina Biological Supply.

*Science curriculum improvement study.* (1961-1988). Hudson, NH: Delta Education.

*Science for life and living.* (1989-present). Developed by Biological Sciences Curriculum Study. Dubuque, IA: Kendall/Hunt.

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*Search for solutions.* (1980). By H. F. Judson. Wilkes-Barre, PA: Karol Media.

*Students and research: Practical strategies for science classrooms and competitions.* (1989). By J. H. Cothron, R. N. Giese, & R. J. Rezba. Dubuque, IA: Kendall/Hunt.

*Teaching integrated mathematics and science (TIMS).* (1992-present). Developed by H. Goldberg & P. Wagreich. Chicago: The University of Illinois at Chicago.

*Voyage of the Mimi.* (1985). Edited by L. A. Driggs. Scotts Valley, CA: WINGS for Learning.

*Windows on science.* (1990). Warren, NJ: Optical Data.

### SOCIAL STUDIES

*The American reader: Words that moved a nation.* (1990). Edited by D. Ravitch. New York: Harper Perennial.

*The ascent of man.* (1973). By J. Bronowski. Boston: Little, Brown.

*Civilization.* (1969). By K. Clark. New York: Harper & Row.

*The democracy reader: Classic and modern speeches, essays, poems, declarations, and documents on freedom and human rights worldwide.* (1992). Edited by D. Ravitch & A. Thernstrom. New York: HarperPerennial.

*History of the idea of progress.* (1980). By R. Nisbet. New York: Basic Books.

*Immigration: Opposing viewpoints.* (1992). Edited by B. Leone & T. O'Neill. San Diego: Greenhaven Press.

*Legacy: Challenging lessons in civics and citizenship.* (1989). Edited by J. P. Hardin. Winston-Salem, NC: Center for Research and Development in Law-Related Education.

*Man: A course of study (MACOS).* (1968). By J. S. Bruner. Washington, DC: Education Development Center.

*The second voyage of the Mimi.* (1989). Edited by L. A. Driggs. Scotts Valley, CA: WINGS for Learning.

*Voyage of the Mimi.* (1985). Edited by L. A. Driggs. Scotts Valley, CA: WINGS for Learning.

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