



SCIENCE TEACHER RESOURCES

Early Childhood

ANIMALS

- CMC LB1181.35.A93 F.I.E.L.D.: Five Senses Internalize Experience for Language Development (Unit on Animals)
CMC LB 1528.M39 1988 Themes: Animals

ENVIRONMENT

- CMC LB1140.5.S35.B68 1989 Nature for the Very Young: A Handbook of Indoor and Outdoor Activities
CMC QH51.H26 1986 Hands –On Nature: Information and Activities for Exploring the Environment with Children
CMC TD224.N5.B46 1991 Beneath the Shell: A Teacher’s Guide to Nonpoint Pollution and Its Potential Impact on New Jersey Shellfish

Websites

The Lorax Project

<http://lorax.conservation.org/>

This site raises awareness of environmental issues and helps children to take action to conserve forests and species.

FOOD

- CMC TX364.G66 1974 Creative Food Experiences for Children

OCEANS

- CMC LB1523.S57 Total Action: Ideas and Activities for Teaching Children Ages 5-8 (Water, Water, Everywhere pp. 93-143)
CMC LB1528.M396 1998 Themes: The Sea and other Water

GENERAL

- CMC LB1140.2.H36 Let’s Play and Learn
CMC LB1140.2.E42 Practical Guide to Early Childhood Curriculum
CMC LB1140.5.S35.A47 Science Experiments for Young Children
CMC LB1140.5.S35.P38 Helping Your Child Learn Science
CMC LB1525.65.Z57 1985 Alpha-Pets: An Interdisciplinary Approach to Incorporating the Alphabet
CMC LB1585.3 .G53 2000 Caldecott Connections to Science
CMC LB1590.3 .P38 1987 Critical Thinking Handbook : K-3, a Guide for Remodeling Lesson Plans in Language Arts
CMC Q181 .C414 1997 The Young Child as Scientist : a Constructivist Approach to Early Childhood Science Education
CMC RA440.M43 2011 Comprehensive School Health Education: Totally Awesome Strategies for Teaching Health (Lessons on Environment, Body Systems, etc.)
CMC RJ101.H34 Healthy That’s Me

PHYSICS, CHEMISTRY, BIOLOGY

- CMC QC19.5.T39 1995b Teaching Physics with Toys: Activities for Grades K-9

CMC QD40.T42 1995
CMC QH51.K22 1992

Teaching Chemistry With Toys: Activities for Grades K-9
Bridges to the Natural World: A Natural History Guide for Teachers

Elementary

ASTRONOMY

CMC QB500.262.S63 1989 Earth, Moon and Stars: Teacher's Guide Grades 5-9

ANIMALS

CMC LB 1528.M39 1988 Themes: Animals

ENVIRONMENT

CMC QH51.K22 1992 Bridges to the Natural World: A Natural History Guide for Teachers
CMC QH53.R78 1998 Ten Minute Field Trips: A Teacher's Guide to Using School Grounds for Environmental Studies
CMC QH76.T29 1998 Teacher's Packet to Help Teachers and Students Learn More About Endangered Species
CMC QH541.2 C876/
CMC QH541.2.C877 Environmental Education: Scope and Sequence for Grades 3-6
CMC TD224.N5.B46 1991 Beneath the Shell: A Teacher's Guide to Nonpoint Pollution and Its Potential Impact on New Jersey Shellfish
CMC TX364 .P38 2003 Healthy foods from healthy soils : a hands-on resource for educators

FOOD

CMC TX364.G66 1974 Creative Food Experiences for Children
CMC TX364 .P38 2003 Healthy foods from healthy soils : a hands-on resource for educators

GENERAL

CMC LB1050 .B4 Reading in the Science Classroom
CMC LB1575.8 .M66 Children's Literature in the Science Curriculum.
CMC LB1585 .C65 1984 COMETS: career oriented modules to explore topics in Science
CMC LB1525.65.Z57 1985 Alpha-Pets: An Interdisciplinary Approach to Incorporating the Alphabet
CMC LB1585 .H36 1994 Hands-on elementary science project leader's manual
CMC LB1587.S5.S86 2001 Sunwise: A School Program that Radiates Good Ideas (Interdisciplinary Lessons about Sun Safety and the Ozone Layer)
CMC Q181 .P355 1994 A Teacher's Science Companion
CMC Q182.3 .L535 1991 Invitations to Science Inquiry
CMC Q182.3 .S33 1989 Science Experiments on File
CMC QL52.6.K58 1993 Creepy Crawlies and the Scientific Method: More Than 100 Hands-On Experiments for Children
CMC RA440.M43 2011 Comprehensive School Health Education: Totally Awesome Strategies for Teaching Health (Lessons on Environment, Body Systems, etc.)
CMC RJ101.H34 Healthy That's Me

PHYSICS, CHEMISTRY, BIOLOGY, EARTH SCIENCE

Estigarribia, Diana	Learning About the Effects of Natural Events with Graphic Organizers	Juv.363.34.E81L
Estigarribia, Diana	Learning About the Effects of Weather with Graphic Organizers	Juv.363.35.E81L
Estigarribia, Diana	Learning About the Rocks, Weathering and Erosion With Graphic Organizers	Juv.551.3.E79L
Jackson, Nina and Clark, Nicole	Looking Up at the Sky with NOAA (water cycle, clouds, thunderstorms & lightning, satellites.)	Juv.551.6.J13L
CMC QC19.5.T39 1995b	Teaching Physics with Toys: Activities for Grades K-9	
CMC QC25.M34 1968	Physics Experiments for Children	
CMC QC981.3.M36 1990	Simple Weather Experiments With Everyday Materials	
CMC QD40.T42 1995	Teaching Chemistry With Toys: Activities for Grades K-9	
CMC QE534.2 .E18 1988	Earthquakes: a teacher's package for K-6	
CMC QC31 .S34	The Science connection: amusing physics	
CMC QH316.5.V36 1990	Biology for Every Kid: 101 Easy Experiments That Work	
CMC QP41 .L57 1996	Literacy in a Science Context: A Hands-on Human Physiology Curriculum	
CMC TX 364.M37	Nutrition in a Changing World	
CMC Q181.Z55 2004	Dinah Zike's Big Book of Science for Elementary K-6	

Websites

Exploratorium

<http://www.exploratorium.edu/educate/index.html>

Secondary

ENVIRONMENT

CMC TD224.N5.B46 1991	Beneath the Shell: A Teacher's Guide to Nonpoint Pollution and Its Potential Impact on New Jersey Shellfish	
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BIOLOGY/HEALTH

Bourgeois, Paulette	Changes in You and Me: A Book About Puberty Mostly for Boys	Juv. 612.661.B772 1994
Loulan, JoAnn and Worthen, Bonnie	Period	Juv. 612/6.L888p 2001
McCoy, Kathy and Wibbelsman, Charles	Teenage Body Book	Juv. M478t

ASTRONOMY

CMC QB500.262.M34 1995	Make Space for Space 1995	
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OCEANS

CMC QH91.5.O734	Project Marinates	
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GENERAL

Juv. 500.T443s	The Sky's the Limit: Stories of Discovery by Women and Girls	
Juv. 925.O89d	Dignifying Science: Stories about women scientists	
Juv. 925.3.O89t	Two fist Science	
LB1575.8 .A84 1993	The Astonishing curriculum: integrating science and humanities through language	
CMC QH26.W55 1997	Women Life Scientists: Past, Present, and Future:	

CMC RA440.M43 1991	Connecting Role Models to the Classroom Curriculum Comprehensive School Health Education: Totally Awesome Strategies for Teaching Health (Lessons on Reproduction, Environment, Body Systems, etc.)
CMC Q181.Z55 2001	Dinah Zike's Big Book of Science for Middle and High School

Websites

The Virtual Lab Book, College of Charleston. <http://delliss.people.cofc.edu/virtuallabbook/>

Sixty Symbols - Physics and Astronomy Videos. <http://www.sixtysymbols.com/>

PHYSICS, CHEMISTRY, BIOLOGY, EARTH SCIENCE

Juv. 621.3.C4667e 1991	Usborne Young Scientist :Electricity
Juv.741.50.O893f	Fallout: J. Robert Oppenheimer, Leo Szilard, and the Political Science of the Atomic Bomb
CMC QC19.5.T39 1995b	Teaching Physics with Toys: Activities for Grades K-9
CMC QC 173.3.I59 1997	Investigating Solids, Liquids and Gases With Toys: States of Matter and Changes of State: Activities for Middles School Grades
CMC QD40.T42 1995	Teaching Chemistry With Toys: Activities for Grades K-9
CMC QD43.B55 1995	A Demo A Day: A Year of Chemical Demonstrations
CMC QD43.S5 1983	Chemical Demonstrations: A handbook for Teachers of Chemistry
CMC QD47.C43 1997	Chemistry in the National Science Education Standards: A Reader and Resource Manual for High School Teachers
CMC QE42 .E27 1990	Earth Science Investigations

Websites

Sixty Symbols - Physics and Astronomy Videos. <http://www.sixtysymbols.com/>

Khan Academy <http://www.khanacademy.org>

ONLINE RESOURCES

(accessible from the Library Home Page

<http://www.njcu.edu/Guarini/>

under -Databases by Title)



Kraus Curriculum Development Library

The KCDL online covers curricula, frameworks, and standards brings together educational objectives, content, instructional strategies, and evaluative techniques for all subjects covered in PreK-12 and Adult Basic Education.

Facts on File Curriculum Resource Center

Following databases available:

- **Curriculum Resource:** Grades K-12. Including a complete range of teacher handout materials, such as timelines, charts, maps, graphs, illustrations, and more.
- **Science Databases:** *Science Experiments On-line* that is an extensive collection of hundreds of science experiments; *Science On-line* that offers over 2,500 diagrams, 14,000 definitions, 300 biographies, 950 essays and 5,000 timeline entries in general science area.

