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Farm to Table and Beyond, Pamela A. Koch, Angela Calabrese Barton, Isobel R. Contento, National Gardening Association, 2008, 0915873508, 9780915873500, . .

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Nutrition Education Linking Research, Theory, and Practice, Isobel R. Contento, 2007, Medical, 491 pages. Nutrition Education: Linking Research, Theory, And Practice Gives Students The Nuts And Bolts Of Designing And Providing Nutrition Education. This Text Focuses On Theory And

Handling Complexity in Learning Environments Theory and Research, Jan Elen, Richard Edward Clark, 2006, Education, 311 pages. Contributions by eminent scholars from around the globe provide analysis of complexity in learning environments from a cognitive perspective and offer suggestions for

Robert Koch A Life in Medicine and Bacteriology, Thomas D. Brock, 1988, Biography & Autobiography, 364 pages. Winner of the Nobel Prize in 1905, Koch is best known today for his discoveries of the causal agents of tuberculosis, cholera, and anthrax. His story is a stirring example of

Internet Environments for Science Education , Marcia C. Linn, Elizabeth A. Davis, Philip Bell, Jul 4, 2013, Education, 440 pages. Internet Environments for Science Education synthesizes 25 years of research to identify effective, technology-enhanced ways to convert students into lifelong science learners

Teaching Science for Social Justice , Angela Calabrese Barton, 2003, Education, 197 pages. Using a combination of in-depth case studies and rigorous theory, this volume; provides valuable insight to help teachers work with inner-city youth; explores the importance of

From land to mouth understanding the food system, Brewster Kneen, 1993, , 223 pages. .

This curriculum book explores the global food production system, and how parts of the system interact and influence each other. Students engage in hands-on activities examining the cycle of nature and participate in discussions and debates on personal food choice. Developed by educators at Teachers College, Columbia University, and the National Gardening Association, Farm to Table & Beyond is part of the Linking Food and the Environment (LiFE) curriculum series. The curriculum includes 29 teacher lesson plans (divided into 6 units), background information, teaching tips, and tools for assessment; student activity sheets and readings.

Farm to Table & Beyond is a comprehensive curriculum that teaches students about the different components of the global food system and how parts of the system interact with and influence each other. The curriculum is divided into six units. The first unit is taken from the Growing Food curriculum and introduces the students to food science. Students investigate corn (and corn

products) and grapes, and make grape juice. The second unit looks at the systems of getting food from a farm to the table, including food manufacturing, packaging and transporting. The third unit focuses closer on how food changes as it goes from farm to table, looking at food processing and preserving, such as drying, salting and pickling. In the fourth unit, students look at the environmental impacts of food and the food system, such as pollution. The fifth unit discusses methods to reduce food-related waste. The sixth and final unit serves as a review and focuses on using the information from the first five units to make ecologically sound food choices.

The curriculum is designed to promote student exploration and inquiry. Throughout the modules, students are challenged to ask questions and theorize the answers. Educators are encouraged to set up full class and small group discussions, and have students present their work to the class. Students keep journals called LiFE Logs, reflecting on what they learned and answering open-ended questions. This method, used in this and other LiFE curricula, is called QuESTA: Questioning, Experimenting, Searching, Theorizing, and Applying to life.

This diverse curriculum includes a variety of learning experiences and activities to help students explore the answers to scientific questions. Creative methods of learning are used to engage students including timelines, learning stations, the jigsaw method (cooperative learning), and relating to the curriculum to current events and other subjects. Educators are encouraged to help students create a 'farm to table' expo to share what they are learning with other students and classes, and ideas are provided for science projects and experiments that could be used for the expo.

It would be helpful for an educator to have a background in science education or agriculture, but not required as background information and teacher notes are provided for each of the lessons. Lessons should be reviewed thoroughly before being taught. All activities require advance preparation. Most lessons do not require additional materials, outside what is generally found in the classroom. Lesson time is not provided for any of the lessons.

There are a variety of lesson resources, readings, experiments and activities to support each of the lessons and their objectives. Sample class discussions are provided for the educator, and background information on new concepts is provided for both the educator and the student, separately. Student pages, which are designed to be copied for use as handouts are provided. Several student pages include basic, often humorous illustrations to help promote student understanding and make the page more engaging. Student pages also include some charts and graphic representations. Some lessons include basic recipes (nutrition information for recipes is not included). It would be helpful to have student handouts and materials on a CD or in an electronic format for ease in duplicating. Student progress can be assessed with completed activity sheets and logs. There is also a pre-assessment (lesson 4) and post-assessment (lesson 30) included.

This curriculum is designed for students in grades 5 or 6 and includes a matrix that maps Farm to Table & Beyond to the National Science Education Standards and Benchmarks for Science Literacy. Lessons and activities could be also be used in social studies, cooking and home economics classes. It is designed to be completed in a series in its entirety, but different lessons and activities could be used on their own with some modification.

This newest module covers our global food system and how the parts of this complex system interact with and influence each other – critical ideas in science. Students engage in hands-on investigations of the cycling of matter in nature and the human impact on this cycle, explore and analyze their personal food choices through scientific reasoning, and apply what they have learned through discussions and debates. Farm to Table & Beyond includes teacher lesson plans, background information, teaching tips, and tools for assessment; student activity sheets and readings; and a matrix mapping the book to National Science Education Standards and Benchmarks for Science Literacy. Developed by educators at Teachers College, Columbia University. 432 pages. Gr 5-6.

Flower, by Moira Butterfield. This is a small but charming book from a series called Nature Chains. It follows the complete life cycle of a flower with bright, inviting illustrations. The large-type text is quite

simple and could be read by an emergent reader or read by an adult to a very young child. There is room for conversation to expand the text. Other titles in this series are Butterfly, Frog, and Bird.

Flowering Plants, by Alfred Leutscher. Clear, colorful, realistic illustrations on every page in a text full of facts. Covers record keeping, parts of a flower, pollination, seed dispersal, and more, emphasizing activities and experiments the reader can do. Out of print, but widely available via Web searches.

Food Choices: A Student Handbook by Environmental Action. A student activity handbook to accompany Food Choices: A Teacher's Resource Guide for the study of nutrition and food's connection to the environment. Activities include: Food guide pyramid, food labels, and weighing costs and benefits of certain food groups.

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