

The Evolution Of Mobile Science Education Consulting Services

Dr. Diana Wehrell-Grabowski, AKA Dr. Diana, owner of *Mobile Science Education Consulting Services* has been successfully conducting “hands-on” science programs and teacher workshops/ inservices throughout the state of Florida and the United States since 1987. The business was created by Diana to provide progressive and quality “hands-on” science programs to students of all ages, and “hands-on” science workshops/ inservices for teachers, administrators, and parents.

About The Owner

Dr. Diana Wehrell-Grabowski received her Ph.D. in Science Education from Florida Institute of Technology in 1994. She also has a Master’s degree in Curriculum & Instruction in Science Education.

Diana has provided over 800 teacher in-services for public and private educational institutions, corporations, and educational organizations. Additionally, she has trained over 5000 individuals in the implementation of family science programs.

Diana ha been a keynote speaker, guest speaker, and presenter at over 80 regional and national conferences.

Diana has presented over 13,500 hands-on science programs to pre-K- 12th grade students at hundreds of public and private educational institutions.



Her business has been awarded several prestigious grants. Additionally, she has worked collaboratively with other organizations in writing grants and providing training for major grants.

Her business has received the attention of the media on many occasions. Additionally, she has written articles that have appeared in many publications.

Diana has written 15 curriculum manuals that are used in her professional staff development and family science workshops.

Diana is a member of: NAEYC, NSTA, FPEA, FRA. FAST, Head Start, NAAEE, LEEF, & National Afterschool Association.

Structure Of Workshops

- * All workshops help to meet the goals set-forth in the *No Child Left Behind Act*. 
- * All workshops meet the requirements of the National Science Education Standards (pre-K-12th Grade) and 
- * **The Sunshine State Science Standards.**
- * All workshops incorporate a “hands-on-minds on” approach to the teaching and learning of science.
- * All workshops integrate the language arts, math and history in the teaching of science concepts.
- * All workshops help to promote partnerships among families, communities and schools.
- * All workshops stress the importance of parental involvement in the child’s educational experiences.
- * Workshops vary in length from 2 hours- 6 hours. Additionally, workshops can be modified to fit your school/district or organizations’ needs.

Fees

* Workshops can be funded through Title I, II,V, IDEA Funding, PTA Funds, School Readiness, Head Start, No Child Left Behind Act & No Child Left Inside Act.

- * Two-hour workshop.....\$400.00
- * Three-hour workshop\$600.00
- * Six-hour workshop.....\$900.00

- The above rates include: supplies required to conduct workshop, 1 copy of curriculum per family.

- An additional fee will be charged for travel (round-trip Cocoa Beach to training site) and lodging if needed.

- * Call or email the office to request a pre-proposal quote.

Looking for an educational, interactive, and exciting keynote presentation for your next conference? Contact Dr. Diana for details, view her keynote speaker website at: <http://drdianakeynotespeaker.com>

FAMILY SCIENCE WORKSHOPS

To Promote Partnerships Among Families, Communities and Schools



Mobile Science Education Consulting Services

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Why Family Science?

It has been documented through extensive research that greater family involvement in children's learning does indeed result in many positive outcomes:



- * Increased academic achievement
- * Better attitude towards school
- * Strengthens family, school and community partnerships
- * Family-based programs aid adult literacy programs
- * Schools/districts will receive additional funds for training
- * School/districts will receive honorary awards for their parent/ family/ community partnership efforts.

Involving families in the educational process through parenting education workshops, etc. is at the forefront of educational endeavors. Partnerships between schools and family are so integral to reaching each of the goals set forth in the *No Child Left Behind Act* and *No Child Left Inside Act*.

The U.S. Department of Education, continues to emphasize the urgency for parents to take an active-role in their children's education pre-K- 12th Grade. This can be done by parents attending school and community academic sponsored functions such as *Family Science*, *Family Math* and *Family Reading programs*.

Empowerment of parents is key to the development of a more effective and prominent role in their children's education and development.

Families Exploring The Environment Together

Participants will discover exciting "down-to-earth" environmental education explorations that can be carried out in any outdoor setting. Participants will conduct a wide-array of intriguing hands-on explorations to include: Botanical investigations, animal classification, exploration of animal and plant habitats, and nature scavenger hunts. In addition, connection to earth and space science concepts will be integrated within this workshop including: (weather, water cycle, and rock cycle and more).



Hundreds of preserved and live specimens, rock and soil samples will be examined through the use of microscopes and hand lenses. This workshop can be conducted indoors or outdoors. Suggested grade levels (Pre-K- Jr-High level).

Two of many reasons why environmental education is important:

- * Research shows that exposure to nature improves student achievement in the classroom.
- * It helps to improve the health of children.

Families Exploring the Nature of Matter via Kitchen Chemistry Explorations

This workshop is designed to enable participants to become better acquainted with the exciting world of chemistry, in a simple and fun way. During this workshop participants will conduct a wide-array of extensive "hands-on" investigations to include: exploring the states of matter, solutions vs. mixtures, chemical vs. physical changes, constructing molecular models, testing for acids and bases, and exploring polymers (slime, silly putty , grow creatures and more). Suggested grade levels (3rd grade- Junior high).



Families Connecting Science and Literature Together

During this workshop participants will learn how to bring science to life through popular children's literature. Endless examples of how children's literature can be used in the home to present and reinforce scientific concepts in a format that is motivating and understandable to the student. Parents will learn how to select fictional books with scientific themes and then develop "hands-on-minds-on" activities for their children to conduct that provide both scientific information and reinforcement. This workshop can be offered for families of preschoolers, elementary K-5, and junior high 6-8th grade. Popular authors and award winning titles are used during this workshop.



Families Exploring Science Through the Literature of Dr. Seuss

During this workshop participants will learn how to bring science to life through the use of the ever popular *Dr. Seuss Cat in the Hat's Learning Library* plus the following titles and more: *The Lorax*, *Bartholomew and the Oobleck*, *Horton Hatches The Egg*, *If I Ran the Zoo*, *Horton Hears A Who*, *Green Eggs And Ham*, *Snow*, plus many more titles. Approximately 40 Dr. Seuss books will be introduced during this workshop which can be used to teach science through one of the most famous and prolific writers of our time. Participants will engage in a wide-variety of hands-on science activities each connecting to the various themes found in the individual books introduced during the workshop. This workshop is most appropriate for families of preschool through grade 4.



Families Investigating The Science In Art

Participants will explore the scientific foundations of many aspects of art including: light, reflections, shadows, shapes, colors, patterns, textures, and designs in nature. Families will discover how science and art are integrated as they conduct numerous hands-on investigations exploring the science in art. Participants will use mirrors, prisms, spectrosopes, kaleidoscopes, explore designs in objects from nature such as: leaves, tree bark, rocks, plant life, and animal life. Participants use a small motor to make a spin-art design, paint with sand, make a chalk print, use air pressure to make a unique ink design, explore the ancient art of fish printing called *Gyotaku* plus many more activities. Suggested grade levels (Pre-K- Junior high).



Families Investigating Physical Science Concepts Together

Participants will conduct many exciting "hands-on-minds-on" physical science investigations. Many of the concepts involve the integration of math and science concepts. Additionally, historical moments in science are also an integral facet of this workshop. Physical science concepts to be explored include: Light & Sound, Force, Motion, & Energy, concepts. Suggested grade levels (3rd-Junior high).



Families Exploring the Seas Together

Participants will be given a general overview of marine/coastal concepts through discussions and a wide-array of "hands-on" activities. Participants will learn about Florida's marine and shoreline ecosystems including plant and animal species. Environmental/ conservation science concepts relative to marine and shoreline ecosystems will be introduced via hands-on explorations. Additionally, participants will learn the basics of seaweed identification, make a seaweed press, learn about fish-scale analysis, learn the ancient art of Japanese fish printing called, *Gyotaku* when they make their own fish print. Lastly, participants will examine hundreds of preserved marine specimens and live marine specimens through the use of microscopes and hand lenses. Suggested grade levels (Pre-K- Junior high).



* *Dr. Diana can also custom-design a Family Science Workshop to suit the specific needs and goals of your School or organization.*