

About Dr. Diana

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/in-services 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 professional staff development for teachers, administrators, and parents.

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

* Diana has provided over 650 teacher in-services for public and private educational institutions, corporations, and educational organizations. Additionally, she has provided over 100 parenting workshops, reaching over 5,100 families.

* Diana has been a keynote speaker, guest speaker and presenter at 80 conferences throughout the state of Florida, nation and worldwide.

* Diana has presented over 14,000 “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 that were awarded.

* Her business has received the attention of the media on 40+ occasions. Additionally, she has written articles that have appeared in many publications.

* Diana is a member of NAEYC, Head Start, NSTA, FAST, FPEA, LEEF, NAEAA, FRA, National Afterschool Association, & No Child Left Inside Organization.



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

Structure of In-Services

* All in-services have been approved for Continuing Education Unit (CEU) training approval system sponsored by *Childhood Development Services, Inc.* (CDS).

* All in-services help to meet national and regional Pre-School Readiness Initiatives.



* All in-services help to build and strengthen the cognitive development and general knowledge of the three-five year-old child.

* All in-services meet the requirements of the FDOE Voluntary Prekindergarten Education Standards.



* All in-services meet the requirements of the National Science Education Standards (Pre-K & K level).

* In-services range in length from: 3 hours, 6 hours, and multiple-days (2+ days).

* All in-services present science content & concepts via a “Hands-On-Minds-On” approach. Participants will be actively engaged in exploring science concepts throughout the entire training.

FEES

* Three-hour in-service.....\$700.00
* Six-hour in-service.....\$1,000.00

* The above fees for one-day (3&6 hour in-service) include: materials to conduct in-service, and 1 copy of curriculum per participant.

Additional fees will be charged for travel and lodging if required. Travel rates are less than standard mileage rate.

* The suggested number of participants is 25 to maintain a quality learning experience for all. Additional fees will be charged for 26+ participants.

* Two (3) hour in-services conducted in one day will be charged additional fees.

* Call or email Dr. Diana to discuss your training needs and receive a quote for services.

Approved CEU

Hands-On-Minds-On Science Workshops For Early Childhood Teachers

Mobile Science Education Consulting Services



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Exploring Science, Technology, Engineering, and Math (STEM) in the Early Childhood Classroom



During this in-service participants will be introduced to a wide-array of science, technology, engineering, and math explorations appropriate for the early childhood classroom. Explorations are easy to implement, often use existing classroom materials or readily available materials and supplies. Participants will: Explore how toys and common household objects work; sand and water wheels, toy cars, etc.. Build ramps and pathways with corner moldings, blocks, race car tracks and more; Build structures out of simple household materials such as spaghetti noodles, marshmallows, etc.; and Experiment with bubbles, sound, and light. *Connections to early childhood math concepts will be integrated within all of the explorations.*

The following is a list of available in-services for teachers and administrators. Additionally, all of the in-services listed are available as parenting workshops.

Young Nature Explorers



During this in-service participants will learn simple yet effective ways to use the school yard, neighboring parks, and other outdoor settings to teach the young child about the many wonders of our natural world. Concepts to be covered

include: nature awareness, animals/wildlife, habitats, ecosystems, conservation, ecology, energy, botany, gardening, water and more. Participants will also gain new ideas to connect other subject areas (language arts, math, social studies, art, and health) to environmental science education concepts. Participants will surely enjoy getting their hands “dirty” as they touch and explore leaves, flowers, insects, pill bugs, worms, dirt and more. This in-service is a must to add to your training.

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.

Teaching Science Through The Literature of Dr. Seuss Teaching Science To The Preschool Child



During this in-service participants will learn how to bring science to life through the use of the ever popular *Dr. Seuss Cat In The Hat Science Series* i.e., (*Wish For A Fish, Oh Beyond Bugs, There's No Place Like Space, Is A Camel A Mammal*, and more). Approximately 35 *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 be given an historical overview of Dr. Seuss's life, which will help participants have a better understanding of how many of Dr. Seuss's books evolved. Additionally, 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 a must for all early childhood educators'. Science, reading readiness, and literacy all in one workshop.

Teaching Science To The Preschool Child

During this in-service participants will be introduced to the most current teaching methodologies and learning theories in science education. Participants will learn how to provide opportunities for the preschool child to develop age-appropriate observational, exploratory, and analytical skills necessary to study the Nature of Science. *Emphasis will be placed on building upon children's natural curiosity about the world.*

All explorations are hands-on-minds-on and age-appropriate. The following science areas/concepts will be covered: Scientific Thinking (developing observational skills, nature of science), Life Sciences (plants, animals, & environment), Earth and Space Science (rocks, water, weather, and space), and the Physical Sciences (nature of matter, floating and sinking, bubbles, force, motion, and energy).



Teaching Science To The Preschool Child Through Pre-Primary Children's Literature

During this in-service participants will learn how to bring science to life through popular pre-primary children's literature. Endless examples of how children's literature can be used in the classroom to present scientific facts and concepts in a format that is motivating and understandable to the preschool student. Participants will learn how to select fictional and non-fictional books with scientific themes and then develop hands-on-minds-on lessons that provide both scientific information and reinforcement.

Fictional books from well-known authors such as: *Eric Carle, Dr. Seuss, Pfister, Zoehfeld, G.Gibbons, Leo Lionni, Lois Ehlert, John Himmelman, K. Robbins, Bill Martin, Anna Milbourne*, and many more...

The hands-on explorations will cover science concepts in the following science disciplines: **Scientific Thinking/Inquiry, Earth & Space Sciences, Physical Sciences, & Life Science.** This workshop presents the importance of the integration of science, reading, and language arts in the classroom on a daily basis.

Connecting Science Across The Curriculum

This in-service is a must for school districts who would like to incorporate more science within their existing curriculum. The use of an interdisciplinary approach to teaching science forms the basis of this workshop.

During this in-service participants will be presented with a broad overview of how science can be creatively integrated within all the subject areas. Participants will conduct numerous hands-on science activities which explore the connections between Science and other disciplines including: Language Arts, Math, Social Studies, The Arts, and Physical/ Health Education. Lastly, participants will expand their science knowledge base and learn how to creatively integrate science concepts and activities within all subject areas using an interdisciplinary approach.

