

About Mobile Science Education Consulting Services

Dr. Diana Wehrell-Grabowski, AKA Dr. Diana, owner of Mobile Science Education Consulting Services has been conducting “hands-on” science programs and teacher workshops/ in-services throughout the state of Florida and the Nation 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”-minds-on” science in-services for teachers, administrators, after-school workforce, parks & recreation staff, camp counselors, and parents.

About Dr. Diana

* 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 and 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 has been a keynote speaker, guest speaker and presenter at over 85 conferences throughout the nation.

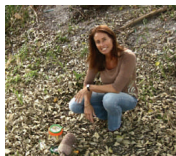
* Diana has presented over 14,000 hands-on science programs to pre-K—12th grade students at hundreds of public and private educational institutions, after-school programs, and summer camps.

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

* Her business has been recognized by local, state, & the national media on many occasions.

* Diana has written 15 curriculum training manuals used in her in-services/workshops.

* Diana is a member of: NAEYC, NSTA, FAST, NAAEE, LEEF, FPEA, Afterschool Alliance, National After-school Association, and Coalition Member of the *No Child Left Inside Organization*.



Looking for an educational, interactive, and exciting keynote presentation for your next conference? Check out Dr. Diana’s Keynote speaker website @ <http://drdianakeynotespeaker.com>

Structure Of Hands-On Workshops

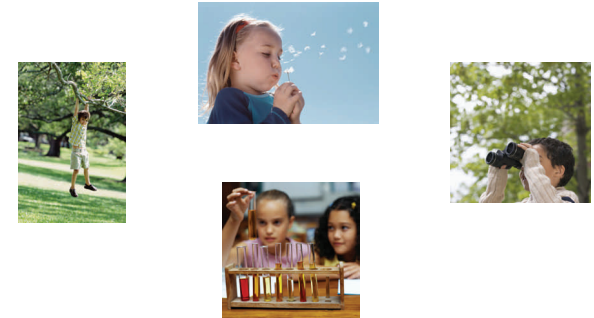
- * All in-services meet the requirements of the ***National Science Education Standards*** (PreK-12th Grade).
- * Workshops help to meet the goals set forth in the ***No Child Left Behind Act***.
- * Workshops help to meet the goals set forth in ***The No Child Left Inside Act***.
- * All workshops incorporate a “hands-on-minds on” approach to the teaching and learning of science. Participants will be actively engaged in the learning process throughout the entire workshop.
- * All workshops explore science through inquiry-based learning.
- * All workshops include information and modeling techniques to include the “special needs” child.
- * Most workshops integrate other subject areas (math, reading, language arts, history, the arts, and health).
- * All workshops provide information and modeling techniques for proactive behavior management.

Fees

- * Three hour or less inservice.....\$600.00
- * Six hour or less (full-day).....\$900.00
- * Out-of-state (Florida) 3 hr or less.....\$700.00
- * Out-of-State (FL) 6 hr less Full-day..... \$1,200-1,500.00 (fee depends on travel required).
- * Also available: Multiple-Days (2+) Institutes. Discounts will be given for multiple-day workshops. Two (3 hr) workshops scheduled within a day will be charged an additional fee.
- * The fees listed above include: materials and supplies to conduct the in-services for up to 30 participants. Each participant will receive a detailed manual relative to the specific in-service provided.
- * Workshops scheduled with 31 or more participants will be charged additional fees to cover materials.
- * There will be an additional fee accessed to cover travel and lodging incurred by Dr. Diana. The per-diem fees are reasonable and generally substantially less than the national per-diem standards. *Diana travels via car to carry all her exciting hands-on science materials.*

HANDS-ON SCIENCE PROFESSIONAL STAFF DEVELOPMENT TRAINING

SPECIALLY DESIGNED FOR THE AFTER-SCHOOL WORKFORCE & SUMMER CAMP STAFF



***Providing Educational, Motivating,
and Exciting “Hands-On-Minds-On”
Training For The After-School Workforce
& Summer Camp Staff.***

Mobile Science Education Consulting Services

**Diana Wehrell-Grabowski, Ph.D.
Science Education Consultant**

**104 North Brevard Avenue
Cocoa Beach, Florida 32931
Phone (321) 799-9004**

Email: drdianascience@bellsouth.net

**Websites: <http://www.drdianateachertraining.com>
<http://www.drdianakeynotespeaker.com>
Blog: <http://www.thinklikeascientist.com>**

Exploring Life & Environmental Science Concepts: Nature Explorers



Participants will be introduced to a wide-array of life and environmental education concepts through extensive *hands-on-minds-on*, inquiry-based indoor and outdoor explorations. Participants will get up close to nature when they venture outside to explore many of the life and environmental science concepts introduced during this workshop. Participants in six-hour workshops will spend a substantial amount of time outdoors to allow the participants to actually carry out the explorations in nature themselves, prior to introducing the concepts to the students in their programs. Timely with the passing of *The No Child Left Inside Act (HR 3036) & Well-Rounded Education Budget initiative for fiscal year 2011*.

Concepts and explorations to be covered include

- Fostering an awareness, appreciation, and respect for nature.
- Nurturing curiosity and enthusiasm for the study of nature and science.
- Developing critical thinking and problem solving skills.
- Introducing the use of writing, drawing, and keeping journals in formal and informal learning environments. Participants will make an *interactive notebook* during this workshop.
- Exploring the characteristics of organisms, life cycles of organisms, structure and function in living systems.
- Exploring diversity and adaptations of organisms.
- Exploring wildlife, habitats, eco-systems, conservation, ecology, energy, botany and more.
- Explorations with Eco-Art.

Suggested Grade Levels (K-8)

All of the workshops listed can be modified to fit your program's needs. Additionally, Dr. Diana can custom design a workshop to fit the specific goals of your program.

Fun and Exciting Inquiry-Based Science Explorations Specially Designed for Afterschool Programs

Participants will be introduced to a wide-array of science concepts via *hands-on-minds-on inquiry-based* explorations. The explorations and concepts introduced will cover all areas of science including:

The Nature of Science (Science As Inquiry)
Physical Science
Nature of Matter
Energy
Force and Motion
Earth and Space Science
Life Science



Participants will become immersed in exciting *hands-on* explorations that are specially designed for after-school programs, summer camps, and beyond.

Explorations include:

- Exploring solids, liquids, and gases.
- Making the connection between aeronautics and flight in animals.
- Electricity and Magnetism
- Using toys to teach force, motion, and energy concepts.
- Exploring structure and function in the animal kingdom via getting up close to earthworms, pill bugs, snails, aquatic creatures and more.
- Exploring structure and function in the plant kingdom via getting up close to plants of all kinds.
- Exploring Earth's changing surface (water cycle, rock cycle, volcanoes, erosion and weathering concepts).
- Exploring Earth's history through fossils. Participants will learn how to make their their own man-made fossil imprint.



Available in 3 or 6 hour, and multiple-day sessions. To cover content in-depth it's suggested to schedule the above workshop for a minimum of 1 -3 full day sessions be scheduled.

To cover all science strands in-depth, schedule a multiple-day workshop. The above workshop can also be broken down into specific science strands:

- *Science As Inquiry*
- *Physical Science* (nature of matter, force, motion & energy)
- *Life Science* and
- *Earth and Space*



Integrating Science, Technology, Engineering, and Math (STEM) Investigations in Afterschool Programs

Participants will be introduced to a wide-array of science and math concepts via *hands-on-minds-on*, inquiry-based explorations. Participants will learn how to integrate science and math concepts on a daily-basis within the after-school program.



Participants will use hand-lenses, microscopes, and measuring tools to explore concepts. Concepts and explorations to be covered include:

- Developing critical thinking skills via conducting *hands-on-minds-on* integrative science and math explorations.
- Observing and analyzing patterns in nature (science & math connections).
- Observing and analyzing structures and function in living and non-living systems.
- Constructing geometric shapes.
- Integrating measurement with science explorations (measuring plant parts, measuring solids & liquids, using stop watches, rulers, yard and meter sticks).
- Building bridges and other structures to explore the science and math connections. Grades (K-8)



Integrating Science and Literacy in Afterschool Programs

Participants will learn how to bring science to life through popular children's literature. Endless examples of how children's literature can be used to reinforce scientific concepts through *hands-on inquiry-based science* explorations that are directly connected to science concepts introduced in the selected literature. Additionally, participants will be introduced to the use of journaling, which can be incorporated into the after-school program in all subject areas. Literature content will cover all science strands (nature of science, earth and space, physical, and life science). Grades (K-8).



Benefits of Employing the Consulting Services of Dr. Diana: *Your organization can proclaim that your staff has received professional training carried out by a licensed and nationally-recognized science education consultant This training will help in developing and maintaining a higher - quality program.*

Participants will build upon their prior knowledge as well as learn new ideas and concepts to implement within the informal and formal education setting.

Participants will make many models during the workshop to reinforce concepts learned. All materials used during the workshop are readily available and relatively inexpensive.

Most important, participants will leave the training educated, confident, motivated, and energized, ready to explore science with the students in their care.