

**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, 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 600 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.
- * 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. Additionally, Diana has written articles that have appeared in several publications.
- * Diana has written 15 curriculum training manuals used in her in-services/workshops.
- * Diana is a member of: NSTA, FAST, NAAEE, NAEYC Head Start, National Afterschool Association, COPUS, Member of 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 In-services

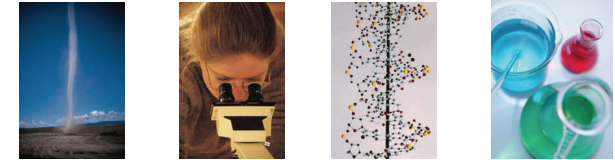


- * All in-services meet the requirements of the National Science Education Standards (K-12th Grade).
- * All in-services help to meet the goals set forth in the *No Child Left Behind Act*.
- * In-services help to meet the goals set forth in *The No Child Left Inside Act*.
- * All in-services incorporate 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 in-service.
- * All in-services explore science through inquiry-based learning.
- * In-services integrate the language arts, math and history in the teaching of science concepts.

Fees

- * Inservices can be funded through Title I, II, & V funds, No Child Left Behind Act, No Child Left Inside Act, School Readiness, Literacy Funds, and others.
- * Three hour or less inservice.....\$700.00
- * Six hour or less (full-day) fee range \$1,200.00-\$1,500.00. Fee rate increases with travel requirements.
- * Also available: Multiple-Days (2+) Institutes* Two (3 hr) inservices 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 25 participants. Each participant will receive a detailed manual relative to the specific in-service provided.
- * Workshops scheduled with 26 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 the consultant. The per-diem fees are reasonable and generally substantially less than the national per-diem standards.
- * Pre-proposals are submitted for all in-services.

**SCIENCE IN-SERVICES
FOR K-12 TEACHERS
Nation-Wide**



**Mobile Science Education
Consulting Services**

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AVAILABLE IN-SERVICES

Implementing The National Science Education Standards In The Classroom Via Inquiry-Based Learning

During this in-service participants will be introduced to the *National Science Education Standards* through a brief overview of the Standards. Additionally, an overview of the use of inquiry in the classroom and the various forms of inquiry will be reviewed and discussed throughout the in-service. Through extensive “hands-on-minds-on” investigations participants will learn how to use and integrate the Standards and Benchmarks in the classroom via inquiry methods. This in-service covers *Nature of Science, Nature of Matter, Physical Science, Earth and Space, and Life Science Benchmarks*. Suggested Grade Levels: (K-2) (3-5) (6-8) & (9-12).



Making The Connection: Genuine Integrated Science In The Secondary Science Classroom

During this in-service participants will gain valuable insight of the educational foundations and research which support the need for implementing integrated science in today's science classrooms. Participants will engage in many “hands-on-minds-on” science investigations which incorporate genuine integrated teaching methodologies and theories primarily through the use of an integrated, spiral and comprehensive approach (interdisciplinary). One major idea is connected across the sciences. Suggested Grade Levels: (9-12).



Connecting Science W/Other Disciplines

This in-service is designed for those districts who are seeking to make a successful connection between science and other academic disciplines, otherwise known as *inter-disciplinary instruction*. Participants will learn how to incorporate science into their daily reading, writing, mathematics, health, the arts, health education, and social studies through extensive “hands-on-minds-on” investigations. Covers all *National Science Education Standards* plus makes connections to The Language Arts, Math, Social Studies, The Arts, & Health/Physical Education.



All of the in-services listed can be modified to fit your school or districts' needs. Additionally, Dr. Diana can custom design an in-service to fit specific goals of your school or district.

Teaching Science Through Children's Literature

During this in-service the 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 classroom to present and reinforce scientific concepts in a format that is motivating and understandable to the student. Participants will learn how to select fictional books with scientific themes and then develop “hands-on-minds-on science lessons that provide both scientific information and reinforcement. This in-service emphasizes the importance of the integration of science, reading and the language arts in the classroom on a daily basis. Covers *all National Science Education Standards* plus makes connections to The Language Arts. Suggested Grade Levels: (K-2) (3-5) & Junior High (6-9).



Teaching Science Through the Literature of Dr. Seuss

During this in-service participants will learn how to bring science to life through the use of the ever popular author Dr. Seuss. Approximately 45 of Dr. Seuss's books will be introduced during this inservice as well as the new *Cat In The Hat Learning Library Series* 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. Participants will be actively engaged in a wide-variety of hands-on science explorations each connecting to the various themes found in the individual books introduced during the inservice. Science, reading readiness, and literacy all in one inservice. Covers all *National Science Education Standards* Suggested Grade Levels: (K-3).



Developing Critical Thinking Skills via Science, Technology, Engineering, and Math Concepts (STEM)

During this in-service participants will learn how to develop and strengthen critical thinking skills within their students by incorporating science, technology, engineering, and math (STEM) concepts. Participants will conduct numerous hands-on-minds-on explorations that integrate STEM concepts that help to develop and strengthen critical thinking skills. The use of writing in the science classroom will be incorporated throughout the in-service via the use of interactive student notebooks. Covers science, technology, engineering, and math strands. Great in-service for all grade levels. Concepts presented vary according to grouping of participants (K-2, 3-5, & 6-12).



Exploring Earth and Space Science Concepts

During this in-service participants will be introduced to a wide-array of earth science concepts and Investigations through extensive “hands-on” investigations. Content covered: foundational astronomy concepts, geological concepts/ Earth's changing surface, solar energy, weather patterns, the rock cycle, and fossils. Covers Physical Science and Earth and Space Science Standards. Suggested Grade Levels: (K-5) 6-8) & (9-12).



Exploring Physical Science Concepts

During this in-service participants will be introduced to a wide-array of physical science concepts through extensive “hands-on” investigations. Content covered: laws of motion and gravitation, momentum, work and energy, heat, wave motion, sound, light, electricity & magnetism. Graphing and mathematical applications will be integrated within most investigations. Covers Physical Science Standards. Grade Levels: (K-5) (6-8) & (9-12).



Introducing Nature of Matter via Kitchen Chemistry

This in-service is designed to enable the participant to become better acquainted with the exciting world of chemistry, in a simple and fun way. During this inservice participants will conduct wide-array of extensive “hands-on” investigations to include: exploring the states of matter, analysis of the periodic table, constructing molecular models, solutions vs. mixtures, physical vs. chemical changes, testing for acids and bases, and exploring polymers. Graphing and mathematical applications will be integrated within most investigations. Covers Physical Science Standards. Suggested Grade Levels: (3-5) (6-8) & (9-12).



Exploring Life & Environmental Science Concepts

During this in-service participants will be introduced to a wide-array of life & environmental education concepts through extensive “hands-on” investigations. Concepts covered: Characteristics of organisms, life cycles of organisms, structure and function in living systems, reproduction and heredity, populations and ecosystems, and diversity and adaptations of organisms. Suggested Grade Levels: (K-5) & (6-12).

Nature Explorers

During this in-service participants will learn effective ways to use the school yard, neighboring parks, etc. to teach environmental science concepts. Concepts to be covered include: nature awareness, animals, wildlife, habitats, eco-systems, conservation, ecology, energy, botany and more. This in-service is a must with the heightened awareness of the benefits of children spending time outdoors. (All grade levels).

