PR-MSP Puerto Rico Math & Science Partnership

Action Research: A Teachers' Professional Development Strategy to Meet the Needs of Diverse Learners

PR Master ScienceTeacher

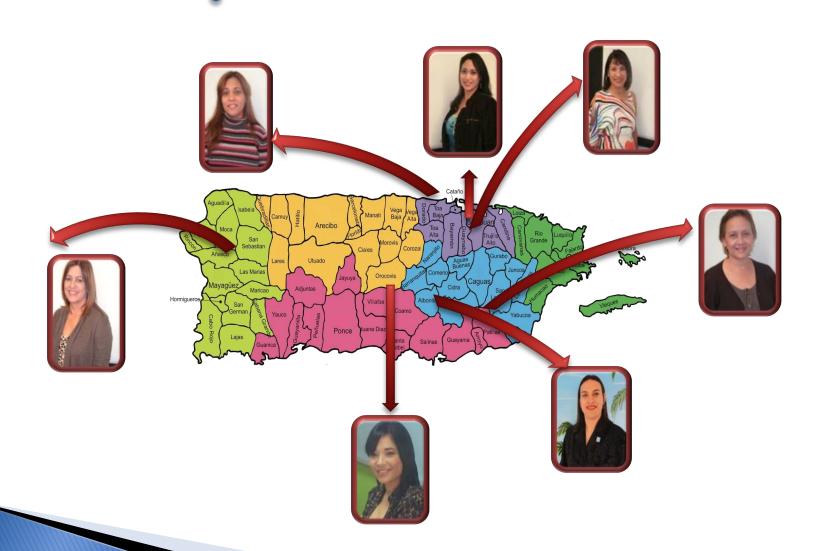
It's a supplemental NSF fund given to Puerto Rico Math & Science Partnership (PR-MSP)

The project is known as AIACiMa, an acronym for Alliance for Learning Science and Mathematics.





OUR FELLOWS



ACTION RESEARCH FOCUSED ON STUDENTS WITH SPECIAL NEEDS

Action research...

- is a tool that is used to help teachers and other educators uncover strategies to improve teaching practices (Sagor, 2004).
- is considered a professional development opportunity because, frequently, teachers test a new instructional strategy, assess a new curriculum program, or evaluate an existing pedagogical method.
- In many research studies, participating in action research has been found to be the impetus for positive change exemplified by teacher improvement, self-reflection, and overall learning that enhances classroom practices (Ferrance, 2000; Johnson & Button, 2000; Ross, Rolheiser, & Hogoboam-Gray, 1999; Sax & Fisher, 2001).



A Guided Scientific Research: An Investigation by Students with Special Needs

Jadira Aponte



What is the effect of working together (peer coaching) in students with special needs to complete a scientific investigation?







Different teaching methodologies to enhance the learning of photosynthesis of seventh grade students

Lourdes E. Rivera González



Which assessment tool is more effective to enhance the learning of photosynthesis of seventh grade students?



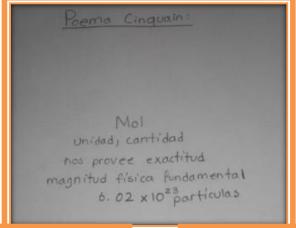




A Synectic Learning Model as an Effective Strategy in Teaching the Mol Concept to Students with Special Needs



Is the synectic model an effective tool for enhancing conceptual understanding of the mol in students with special needs?









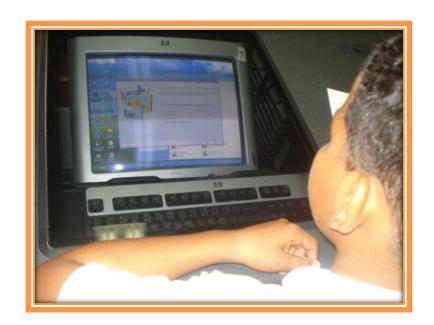
Using the technological tool Photo Story 3 for Windows as a motivational resource to improve academic achievement of Students with Special Needs

María L. Ortiz Hernández



Research's question

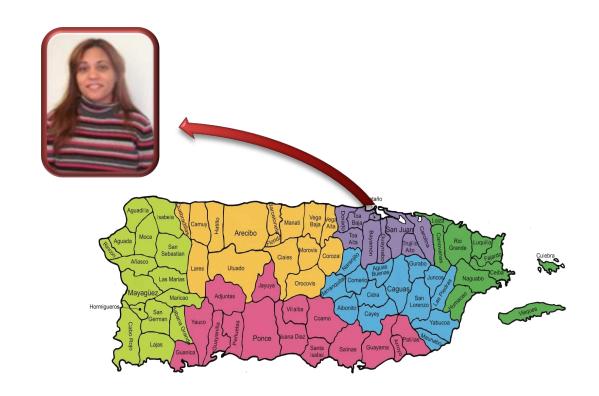
Is the technological tool Photo Story 3 for Windows a good motivational resource to improve academic achievement of Students with Special Needs in the skills of reading and writing science comprehension?





Technological Module Integration to Improve the Academic Achievement of ADD/ADHD Students.

Sandra Beltrán



 Is the integration of technology effective to improve the academic achievement of ADD/ADHD students, in the somatic Cell Cycle unit?



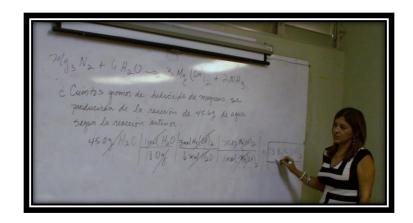
Students with Special Needs' Cognitive Process Solving Stoichiometry Problems

Myrna Hernández



Is the structured solving problem approach effective to improve the capacity of students to solve stoichiometry problems?









In situs lab with *Danaus plexippus* lifecycle

Minnuette Rodríguez Harrison

