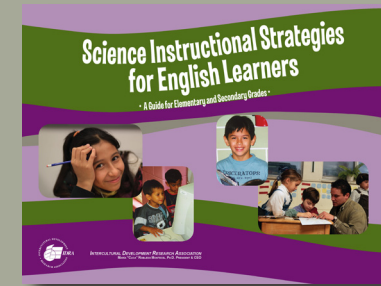


# Seven Science Instructional Strategies for English Learners

- 1** Build upon English Learner Language Proficiency for Effective Science Instruction
- 2** Design Asset-based Science Lessons for Culturally and Linguistically Diverse Classrooms
- 3** Use Cooperative Groups to Maximize Language Usage, Global Interaction and Science Achievement in a Multicultural Setting
- 4** Scaffold and Spiral Language and Science Instruction for Increased Comprehension and Literacy Development
- 5** Foster Mutually Affirming Relationships, Curriculum Rigor and Relevance in Successful Bilingual and ESL Science
- 6** Maximize Use of Technology in Delivery of Effective Science and English Learner Instruction and Use Internet Resources to Supplement and Enrich Instruction of English Learners
- 7** Establish Home-School Partnerships for Mutual Success in Teaching Science



From *Science Instructional Strategies for English Learners – A Guide for Elementary and Secondary Grades*. This guide is designed to be a practical resource for elementary and secondary teachers who are determined to meet the needs of the diverse populations of students they serve.

The guide presents seven research-based strategies for instruction of English learners in science. It is divided into four sections – teaching learning premises (theoretical underpinnings for each strategy); research support; essential teacher competencies (pedagogical skills necessary for effective implementation of each strategy); steps for strategy implementation – along with a matrix of techniques for implementation.

Available from IDRA. (No ISBN; 20 Pages; English; 2012; \$20)

Get information on teacher professional development, articles about the strategies and related Classnotes podcasts: [www.idra.org](http://www.idra.org).