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.

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Get information on teacher professional development, articles about the strategies and related Classnotes podcasts: www.idra.org.