



Science!

California Kindergarten Association



Children's Development of Science

- [Click here](#) for a description of the developmental differences of 4, 5, and 6 year olds and what this means for their science instruction.
- [Click here](#) for characteristics of a high-quality science program.

Research for CKA Members

- “[Zoology in the Early Childhood Curriculum](#)” by Sandra Plett: This article details the progress of a zoology program in a Montessori class of 20 children, ages 3 to 6 years of age. The teacher’s diary begins with planning in July and continues through the first two months of school. Described are content and learning experiences about vertebrates and invertebrates. Guiding the program are theoretical principles regarding instruction and learning. In order to access this article, you will need to enter your CKA Member User Name and Password.

Lesson Plans & Activities

- [Preschool](#)
- [Transitional Kindergarten](#)
- [Kindergarten](#)
- [First Grade](#)



Resources

- Preschool Foundations in Science – These are in development by the California Department of Education and are expected in 2013. CDE does have available a document that shows the alignment between Preschool Foundations and Kindergarten Common Core State Standards. Go to <http://www.cde.ca.gov/sp/cd/re/documents/psalignment.pdf#search=preschoolscience&view=FitH&pagemode=none>.
- [California State Standards & Common Core State Standards in Science](#).
- [Professional organizations](#) that support science instruction.
- [Letter to Parents about Science](#).
- [Science Poster](#).
- [Print & Web Resources](#) on Science.
- [Outstanding Children's Science Books](#).
- [Suggested Materials](#) for the Science Center.

Videos

- The Annenberg Learner website offers professional development in many areas of science as well as other subject areas. This link offers a classroom video of first and second graders discussing matter. Listen to the questions the teacher poses and how children construct their meaning. <http://www.learner.org/courses/essential/physicalsci/session1/index.html>
- A big focus of [Sesame Street's Season 42](#)(2011) was STEM education -- encouraging children to think about [Science](#), Technology, Engineering and Math. Through storylines, features, songs and more, the curriculum is explored in-depth, as shown on "[Sesame Street: Rube Goldberg Machine](#)" You Tube video.

- Another part of Season 42 on Sesame Street is called "[Murray's Science Experiments](#)." The short segments find lovable orange monster Murray investigating a basic [science](#) principle and finding the answer through a simple experiment.



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