

# Course Content

Math	Science	Early Childhood Topics
<ul style="list-style-type: none"><li>▪ Sets and Sorting</li><li>▪ Measurement</li><li>▪ Number Sense</li><li>▪ Counting</li><li>▪ Number</li><li>▪ Pattern</li><li>▪ Data Analysis</li><li>▪ Spatial Relationships</li></ul>	<ul style="list-style-type: none"><li>▪ Water</li><li>▪ Sink and Float</li><li>▪ Rocks</li><li>▪ Mixtures</li><li>▪ Solids and Liquids</li><li>▪ Baking Soda and Vinegar</li><li>▪ Bubbles</li><li>▪ Air</li><li>▪ Trees</li><li>▪ Soil</li><li>▪ Worms</li><li>▪ Seeds</li><li>▪ Balls and Ramps</li><li>▪ Structures</li><li>▪ Invention Center</li></ul>	<ul style="list-style-type: none"><li>▪ Preschool Science and Math Foundations</li><li>▪ Constructivism</li><li>▪ The Role of the Environment as Teacher</li><li>▪ The Value of Sensory Play</li><li>▪ Developmentally Appropriate Practice</li><li>▪ Constructivist Chemistry</li><li>▪ Myths of Early Mathematics</li><li>▪ Curriculum Planning in Science</li><li>▪ Ecology in Early Childhood</li><li>▪ Making Topic Webs</li><li>▪ Family Involvement</li><li>▪ Engineering in Early Childhood</li><li>▪ Gender Stereotypes</li><li>▪ STEM to STEAM</li></ul>



# Next Steps

Interested? Send your email and be added to the Announcement list to get notification of publication date!

[pperfumo@losmedanos.edu](mailto:pperfumo@losmedanos.edu) or  
[ellenb@Berkeley.edu](mailto:ellenb@Berkeley.edu)



- Free open-source resources will be available online:

[www.lawrencehallofscience.org/  
programs\\_for\\_schools/professional\\_devel  
opment](http://www.lawrencehallofscience.org/programs_for_schools/professional_development)

- detailed instructor guides
- PowerPoint presentations
- sample student assignments
- exemplar activity guides
- course reader

