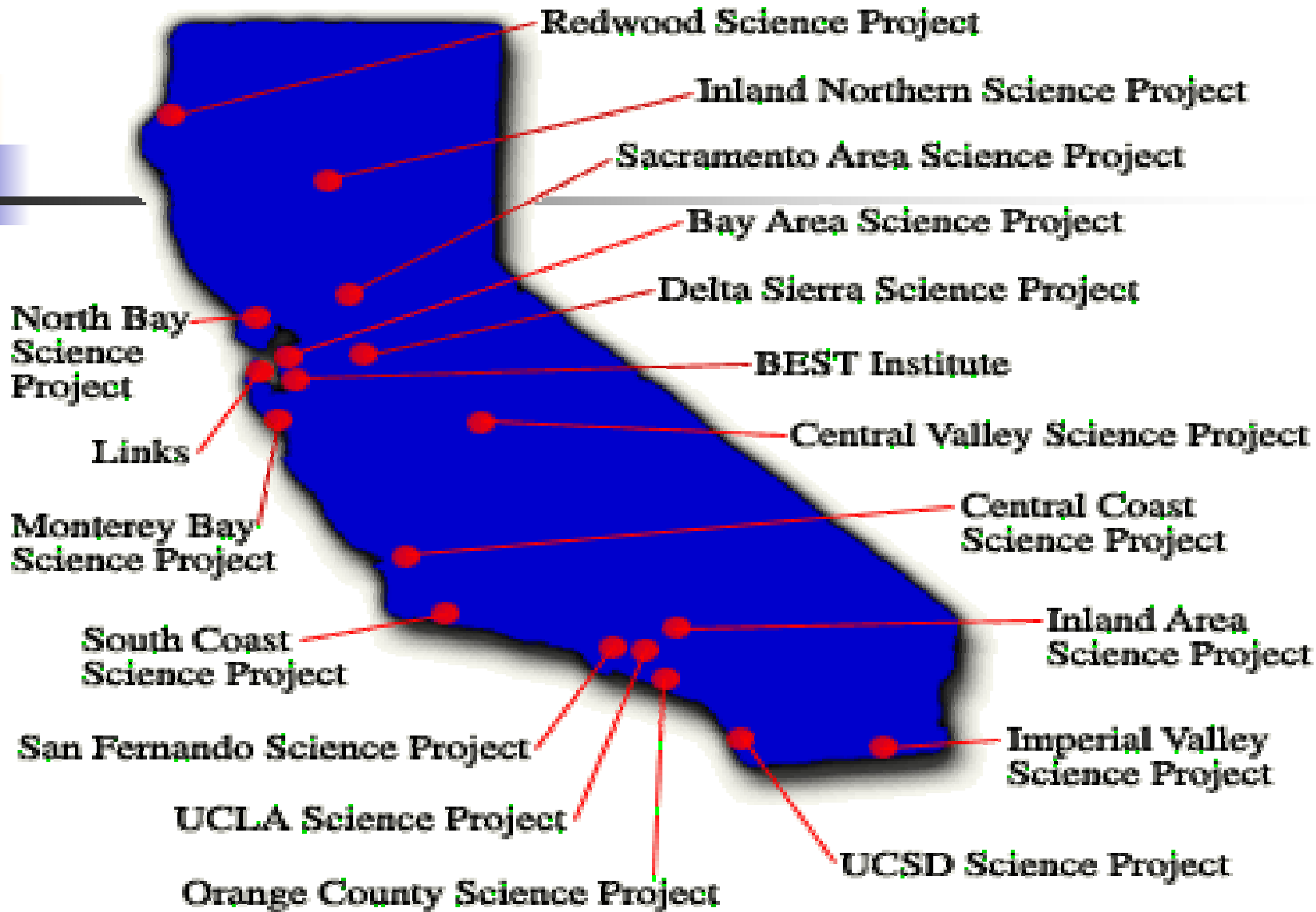
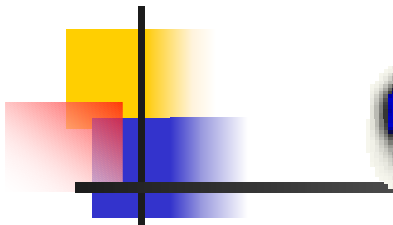




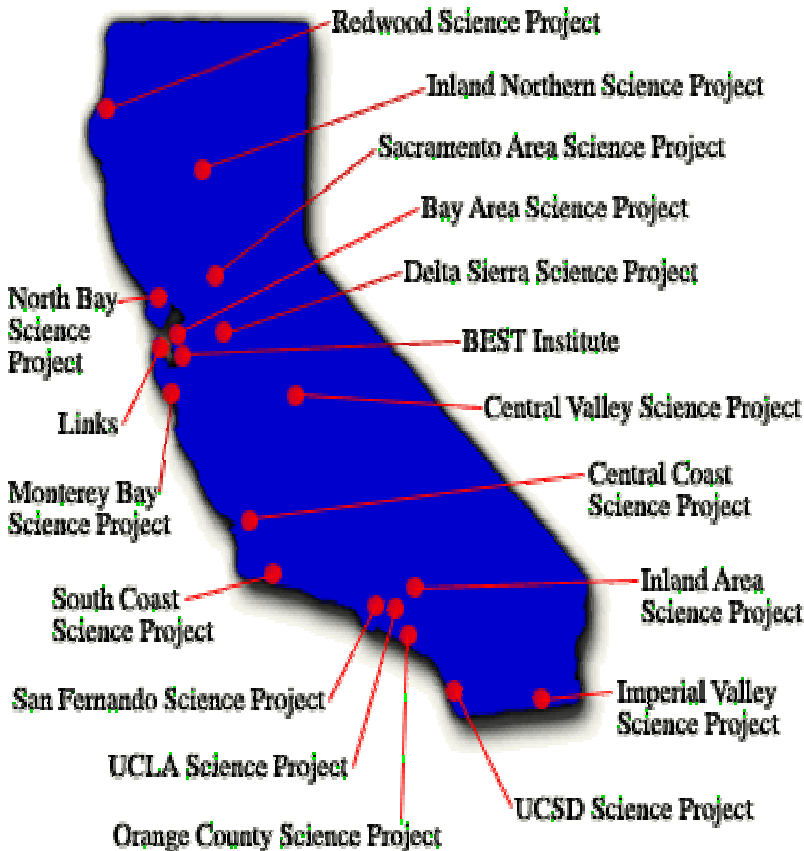
# The California Science Project

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A professional development  
model for university and school  
collaborations



# California Science Project



- 18 sites
- University based professional development sites
- Collaborations with local teachers and schools



# Establishing the Network

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- Resources granted to the University of California by the state legislature in 1989
- Universities responded to a solicitation for proposals for sites of the CSP
- Submitted proposals were/are reviewed by the CSP Executive Director and the CSP Advisory Board
- Memorandums of understandings with universities for funds to support the work



# CSP Sites

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- Located on a university campus
- Lead by a team that includes academic faculty in science, education faculty from schools/departments of Education and expert and experience teachers
- Participate in teacher education efforts of the university
- Have their own ‘internal logic’



# Organization

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- University of California, Office of the President is charged with this work
- Executive Office oversee the work of the sites
- Site Leadership teams design and develop the work
- Fiscal responsibility for funds with the campus



# The Work

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- Focuses on development of science content knowledge through inquiry and direct experience
- Develops deep knowledge of what is difficult to teach and difficult to learn in science
- Supports the instructional programs and materials used by the teacher participants
- Identifies and develops teacher leaders as instructional leaders



# The Work

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- Develop and design professional development experiences focused on the effective teaching of science
- Mechanisms include: summer institutes, workshops, short courses, seminars, academic year programs
- Inquiry as the key element of analysis of teacher learning, teacher discourse, teacher practice and student work.





# Programs

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- 40-80 hour institutes focused on a single content area for either elementary or secondary teachers
- Academic courses in science co-taught by faculty and teachers
- Academic year teacher study groups that focus on lessons, student work or the analysis of video
- Academic year programs in response to local needs and demand



# Leadership Development

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- Intensive work with a select set of teachers
- Deeper knowledge of both science and science pedagogy
- Focus on the current theory and research on learning in science
- Strategies for working with fellow teachers
- Support and coaching



# Services during 2003-2004

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- Sites designed and conducted 550 professional development event
- Directors worked with 5,108 distinct teachers
- Partnerships with ~ 60 schools
- Work with ~ 200 schools



# Sustaining the Network

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- Jointly shared vision and goals amongst sites
- Open communication
- Technical support
- Professional Growth
- Network Meetings and Retreats



# University Based Networks

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- Institutional support and commitment
- Collaborative enterprises amongst schools, teachers and faculty
- Dedicated funding
- Service to local teachers and schools

# The California Science Project



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María Alicia López Freeman  
Executive Director

<http://csmf.ucop.edu/csp>