

**Hacienda-La Puente  
Unified School District**

**"SPRING" Program**

**Science Partners Recognizing Interesting  
New Goals**

- **K - 5 "Hands-on" Science**
- **Based on Pasadena USD Program  
via *The Pasadena Center***
- **NSF funding to "export" program**
- **Pilot Program at Baldwin School 1997-98**
- **Lead Scientist from Cal Poly Pomona**

- **Goals**

**Train all teachers for "hands-on" science activities**

**Build enthusiasm and support**

**Have interactions with scientists**

**Maintain a materials inventory**

**Teach exciting hands-on science in each elementary school 2-3 times weekly**

- **Role of Lead Scientist**

**Validate that science is a process,  
*not* a list of facts**

**Provide support for teachers**

**Visit classes**

**Serve on Leadership Team**

**Attend Su & W Institutes**

**Recruit scientists & engineers for  
training sessions**

- **Scale-Up Process**

**Baldwin 24 Schools**

**470 classrooms (11,000 students)**

**Two or three 45-minute lessons/week**

**6 hour training for each teacher**

**Classroom visits by knowledgeable teacher on alternate weeks**

**Coverage matches standards**

**Math, language arts, art ... are involved**

- **Activities**

**10 weeks/unit**

**90 - 135 minutes/week**

<b>Grade</b>	<b>Unit 1</b>	<b>Unit 2</b>	<b>Unit 3</b>
<b>KG</b>	<b>Myself &amp; Others</b>	<b>Balls &amp; Ramps</b>	<b>Two by Two</b>
<b>1st</b>	<b>Senses</b>	<b>Growing Things</b>	<b>Solids &amp; Liquids</b>
<b>2nd</b>	<b>Weather</b>	<b>Butterfly Life Cycle</b>	<b>Balance &amp; Motion</b>
<b>3rd</b>	<b>Sound</b>	<b>Brine Shrimp</b>	<b>Amazing Air</b>
<b>4th</b>	<b>Changes of State</b>	<b>Earth Materials</b>	<b>Microworlds</b>
<b>5th</b>	<b>Circuits &amp; Pathways</b>	<b>Bones &amp; Skeletons</b>	<b>Experiments with Plants</b>

- **August 29-30, 2000 Volunteers**

**DAVE BERRY**

**STEVE BRYANT**

**BARBARA BURKE**

**ALAN FELZER**

**JOLENE HOUSER**

**HARVEY LEFF**

**MARY MOGGE**

**JON NOURSE**

**LAURIE STARKEY**

**ED WALTON**

**JOHN KRAMAR**