Orinda Professional Development Goals

Local Control Accountability Plan (LCAP) Goal #3
Develop a professional learning plan that will continue to support teachers in the alignment of student learning to the Common Core State Standards and Next Generation Science Standards (NGSS)

2014-15 District Goal
Develop a district vision for science instruction in preparation for 2015-16 Next Generation Science Standards
NGSS Conceptual Shifts

- Alignment to Common Core State Standards

- Three Dimensions of NGSS
  1. 8 Scientific & Engineering Practices (same K-8)
  2. Disciplinary Core Ideas
  3. Cross-Cutting Concepts

- Engineering integrated in the NGSS
  - Students opportunities to problem-solve; design; investigate
Reflecting on How Science Works

- We have learned that science can be a vehicle for teaching ELA and Math practices.
- Compile – collect ideas on how to incorporate science daily across curriculum.
## K-8 Science Articulation

<table>
<thead>
<tr>
<th>Del Rey</th>
<th>Glorietta</th>
<th>Sleepy Hollow</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Moran -5</td>
<td>Linda Edley -2</td>
<td>Susan Casey -3</td>
</tr>
<tr>
<td>Tricia Newhart -1</td>
<td>Stacy Howard -2</td>
<td>Ken Gallegos -P</td>
</tr>
<tr>
<td>Megan Tracy -K</td>
<td>Michelle Kalafatis -K</td>
<td>Therese Long -4/5</td>
</tr>
<tr>
<td>Marta Wallace -3</td>
<td>Devon Rossler -3</td>
<td>Tracee Schultz -1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wagner Ranch</th>
<th>OIS</th>
<th>BaySci</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annalisa Brucke - 4/5</td>
<td>Sue Boudreau -7</td>
<td>Craig Strang/LHS</td>
</tr>
<tr>
<td>Linnea Burnette -1</td>
<td>Katherine Hessefort - 6</td>
<td>Lynn Barakos/LHS</td>
</tr>
<tr>
<td>Liz Headley -2</td>
<td>Heather Johnson -6</td>
<td>Vannessa Lujan/LHS</td>
</tr>
<tr>
<td>Dara Slevin -1</td>
<td>Michael Randall-P</td>
<td>Kim Burris – LC</td>
</tr>
<tr>
<td></td>
<td>Marshall Sachs -7</td>
<td>Patsy Templeton – TC</td>
</tr>
<tr>
<td></td>
<td>Stacy Wayne -AP</td>
<td>Kathy Marshall- C &amp; I</td>
</tr>
</tbody>
</table>

- K-8 Science Articulation

- Del Rey
  - John Moran -5
  - Tricia Newhart -1
  - Megan Tracy -K
  - Marta Wallace -3

- Glorietta
  - Linda Edley -2
  - Stacy Howard -2
  - Michelle Kalafatis -K
  - Devon Rossler -3

- Sleepy Hollow
  - Susan Casey -3
  - Ken Gallegos -P
  - Therese Long -4/5
  - Tracee Schultz -1

- Wagner Ranch
  - Annalisa Brucke - 4/5
  - Linnea Burnette -1
  - Liz Headley -2
  - Dara Slevin -1

- OIS
  - Sue Boudreau -7
  - Katherine Hessefort - 6
  - Heather Johnson -6
  - Michael Randall-P
  - Marshall Sachs -7
  - Stacy Wayne -AP

- BaySci
  - Craig Strang/LHS
  - Lynn Barakos/LHS
  - Vannessa Lujan/LHS
  - Kim Burris – LC
  - Patsy Templeton – TC
  - Kathy Marshall- C & I
Vision Development Process

- Developed by Orinda teachers to align with Next Generation Science Standards and CCSS

- The NGSS and CCSS served as the foundation for development

- Vision Statements from other districts were studied and reviewed

- Teachers brainstormed & consideration was given to align across grade levels

- BaySci Staff Developers from the Lawrence Hall of Science helped to facilitate the discussion
All Orinda students will have meaningful, regular access to high quality science and engineering learning experiences, in a variety of richly complex learning environments. These experiences will inspire curiosity, wonder, and a deeper understanding about the observable world, and will build student capacity to be scientifically literate, environmentally responsible citizens, while providing a foundation for their future careers and lives.
Explanation of Colored Coded Sections

Each area of the vision is color-coded that is connected to a specific explanation of what the words mean.

For more information, visit our Orinda webpage for Science.