<table>
<thead>
<tr>
<th>Elements, Leads, and Tasks</th>
<th>PHASE 1</th>
<th>PHASE 2</th>
<th>PHASE 3</th>
<th>PHASE 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop messages</td>
<td>General outreach on shifts</td>
<td>Ongoing messaging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statewide Capacity/Network Building (OSPI Programs; State Science Leadership Team)</td>
<td>Identify existing expertise and gaps</td>
<td>Develop NGSS support networks</td>
<td>Ongoing support of leadership network</td>
<td></td>
</tr>
<tr>
<td>Professional Learning (OSPI Programs, State Science Leadership Team, ESD Regional Science Coordinators, STEM teachers, Administrators, Informal/Community Educators)</td>
<td>Identify Professional Learning needs (teachers, administrators, and community educators)</td>
<td>Professional Learning designed for all stakeholders</td>
<td>Professional Learning Implemented for teachers and administrators</td>
<td>Professional Learning Implemented for informal/community educators and ongoing adaptation of Professional Learning</td>
</tr>
<tr>
<td>Instructional Practices/Shifts (OSPI Programs, State Science Leadership Team, ESD Regional Science Coordinators, STEM teachers)</td>
<td>Focus on equity and integrating Science and Engineering Practices</td>
<td>Continued focus on equity and integrating SEPs and Cross Cutting Concepts</td>
<td>Integration of three dimensions (SEPs, CCCs, and DCIs)</td>
<td>Instructional shifts in place</td>
</tr>
<tr>
<td>Instructional Materials and Curriculum (OSPI Programs, State Science Leadership Team, ESD Regional Science Coordinators, LASER)</td>
<td>Examine existing materials</td>
<td>Adapt existing materials and explore (e) Innovations</td>
<td>Evaluate placement of instructional materials and leverage materials and curriculum</td>
<td>Develop/evaluate new materials</td>
</tr>
<tr>
<td>Assessment System (OSPI)</td>
<td>Review Board on Testing and Assessment Report (NRC)</td>
<td>Study assessment system opportunities with NGSS adopted states</td>
<td>Develop new assessments and resources</td>
<td>Field test and implement new assessments (NGSA)</td>
</tr>
<tr>
<td>Data Collection (OSPI)</td>
<td>Determine metrics to be tracked (e.g., course taking, student achievement, STEM, etc.)</td>
<td>Develop data collection plan</td>
<td>Track and report science related data</td>
<td></td>
</tr>
<tr>
<td>Policy Shifts (OSPI, SBE, PESB, Legislature)</td>
<td>Identify policy changes necessary to implement NGSS (e.g. PESB teacher competencies, secondary pathways, assessment)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Critical Stakeholders in Washington State NGSS implementation

Implementation of NGSS requires the collaboration of various critical stakeholder groups, many of which are included here. (Please note that this is not an all-inclusive list of stakeholders.)

OSPI Programs
- Teaching and Learning
- Assessment and Student Information
- CTE (STEM, Agriculture, Skilled and Technical Sciences, Family Consumer Science, Health, etc.)
- Migrant/Bilingual
- Special Education
- Indian Education
- Early Learning
- Communications

State Science Leadership Team
- OSPI
- ESD Regional Science Coordinators
- Higher Ed Partners
- Business Partners
- Administrators
- Teachers

Statewide Networks
- Leadership and Assistance for Science Education Reform (LASER)
- Educational Service Districts (ESD)

Higher Education
- Colleges of Education
- Colleges of Science and Engineering
- Community and Technical Colleges
- Content Faculty

Informal/Community/Non-Profit Partners
- Various informal and community partners with connections to NGSS

Business Industry Partners
- Various business/industry partners with connections to NGSS

K-12 (Districts and Building Level) Schools
- Staff
- Students
- Administrators
- Community

State Boards
- Professional Educators Standards Board (PESB)
- State Board of Education (SBE)

State Associations
- Educator and Administrator Professional Organizations

National (Science/STEM) Education Organizations
- Council of State Science Supervisors (CS3)
- Achieve
- National Educator Professional Organizations