## Elements, Leads, and Tasks

### Communication (OSPI, State Computer Science Leadership Team)
- Develop and initiate messaging
- Ongoing messaging

### Statewide Capacity/Network Building (OSPI Programs; State Computer Science Leadership Team)
- Identify existing expertise and gaps
- Create CS for WA site
- Develop CS support networks
- Maintain and update CS for WA site
- Ongoing support of leadership network
- Maintain and update CS for WA site

### Professional Learning (OSPI Programs, State Computer Science Leadership Team; ESD Regional Coordinators, STEM teachers, Administrators, Informal Educators)
- Identify professional learning needs and begin implementation (teachers, administrators, and community educators).
- Continue professional learning

### Instructional Practices & Integration (OSPI Programs, State Computer Science Leadership Team, ESD Regional Coordinators, K-5 teachers, STEM teachers)
- Focus on equity and integration. Develop and publish K-12 pathways on CS for WA site
- Continued focus on equity and integration. Publish promising instructional practices (CS Teaching Tools)
- Update and maintain promising instructional practices

### Instructional Materials and Curriculum (OSPI Programs, State Computer Science Leadership Team, ESD Regional Coordinators)
- Review existing materials and publish alongside K-12 pathway on CS for WA site.
- Add/refine materials and share innovations
- Evaluate/refine materials and share innovations

### Assessment System (OSPI)
- Determine intentions for assessment and if applicable, develop plan for assessment
- Study assessment opportunities with other states adopting CS Standards
- Develop new assessments and resources
- Field test new assessments

### Data Collection (OSPI)
- Determine metrics to be tracked (e.g., course taking, student achievements, STEM, etc.)
- Develop data collection plan
- Track and report CS related data

### Policy Shifts (OSPI, SBE, PESB, Legislature)
- Identify and institute policies necessary for the implementation of Computer Science standards (e.g. PSEB teacher competencies, secondary pathways, assessment)
- Determine funding sources necessary to support policy changes

---

Elements of Computer Science Implementation Plan, OSPI June 2016
# Critical Stakeholders in Washington State Computer Science Implementation

## OSPI Programs
- Learning and Teaching
- 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
- Educational Service Districts (ESD)

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

## Informal/Community Partners
- Various informal and community partners with connections to Computer Science

## Business Industry Partners
- Various business/industry partners with connections to Computer Science
- Washington STEM

## 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 Computer Science Education Organizations
- Computer Science Teachers Association (CSTA)
- International Society for Technology in Education (ISTE)
- K12CS.org
- Code.org
- LEADCS.org