**OSPI CTE Student Leadership Template**

**Extended Learning**

Student Leadership Development is an integral part of the CTE instructional program; the process that enables students to fully utilize the subject matter content they receive through the CTE program. Leadership skills empower each student to assume responsible roles in family, community, and business and industry environments. Through state recognized CTSOs, students have leadership skill development opportunities available at the local, state, national and international level. Leadership equivalencies must be equal to or exceed the appropriate CTSO standards related to the specific program area, for 21st Century Skills integration, and include opportunities for students to participate in community service activities related to this course, participate in related leadership activities outside the classroom at the local, regional, state, and/or national level, and explain how students will be engaged in activities that extend learning beyond the classroom/laboratory into the community and provide real world value.

 **Please see the OSPI Student Extended Leadership Companion Document for additional detailed information.**

**School District:** Olympia SD **Building:** OSD HS **Program Area: STEM**

**CIP Code: 150406/140102 Instructor(s):** OSD HS Teachers

**Qualifications Checklist:**

***The qualifications reflect equivalency and align with Washington State CTE 21st Century Leadership Skills while establishing the leadership organization and program components reflected in the Program of Work.***

**Leadership Organization:**

[x]  Student Leadership Structure Established (Ex: Elected officers, committee structure, group roles)

[x]  Student led organization; activities are planned, conducted, and evaluated by students

[x]  Activities are conducted under the management and/or supervision of a certified CTE instructor

**Program Components Reflected in Program of Work:**

[x]  Organization and Management [x]  Planning and Evaluation [x]  Community Service

[x]  Finance and Fundraising [x]  Competitive Events [x]  Leadership Development/Demonstration

[x]  Student Recognition [x]  Recreational and Social [x]  Public Relations and Advocacy

[x] Employability and Career Skills

**Annual Program of Work**

**Program Name:** OSD STEM+CS Robotics (FLL/Outreach) **Year**: 2017-2018

**Activities reflected should only address extended learning components of the program; these should be learning and teaching activities related to career and technical education course or program competencies which occur beyond the scheduled school day and/or school year under the supervision of a certified CTE teacher.**

(CTE Program Standards)

**Activities should place emphasis on personal and group activities that improve life skills and align with 21st Century Leadership skills, encourage students to work together, and include cooperative activities with other groups that make the community a better place to live and work. Descriptions of activities must be specific to the course.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Program Component:**  | **Activity/Event:** | **Description** | **Expected Completion Date:** | **Focused 21st Century Leadership Skill addressed** |
| Leadership Development | FIRST LEGO League (FLL) Team Mentoring | Mentor Creation of Research Project, including Innovative Solution for FLL Judging | December 2017 | 1.A Think Creatively |
| Leadership Development | FIRST LEGO League (FLL) Team Mentoring  | Mentor younger students to Design, Build and Program an autonomous robot to meet FLL robot game challenge | December 2017 | 11.A Guide and Lead Others |
| Leadership Development | FIRST LEGO League (FLL) Team Mentoring  | Develop inclusive teamwork strategies to support FLL Core Values | December 2017 | 3.B Collaborate with Others |
| Competitive Events | FIRST LEGO League (FLL) Qualifier Project Judging | Judge Research Project, including existing solutions and content experts, innovative solution and concise presentation  | December 2017 | 4.B Use and Manage Information |
| Competitive Events | FIRST LEGO League (FLL) Qualifier Robot Design Judging  | Judge Robot Design process for FLL Robot, including hardware and software components  | December 2017 | 2.B Use Systems Thinking |
| Competitive Events | FIRST LEGO League (FLL) Qualifier Core Values Judging  | Judge teams’ adaptive teamwork in solving real time mystery challenge | December 2017 | 4.A Access and Evaluate Information |
| Competitive Events | FIRST LEGO League (FLL) Qualifier Refereeing  | Referee FLL Robot Game | December 2017 | 7.B Be Flexible  |
| Competitive Events | FIRST LEGO League (FLL) Qualifier Logistical Support  | Support volunteer recruiting, set-up/tear-down, registration, team queueing for judging and robot game, and scorekeeping  | December 2017 | 8.A Manage Goals and Time |
| Community Service | STEM+CS Outreach for Youth | Students host Robotics demos/workshops, and volunteer at local STEM+CS events  | Ongoing | 11.A Guide and Lead Others |
| Public Relations and Advocacy | STEM+CS Outreach for Adults | Students host Robotics Demos for local community events, service groups, school district showcases and business forums | Ongoing | 12.C Civic Literacy |
| Financial and Fundraising | Fund Raiser for team expenses | Students select, plan and execute a fund raiser to cover expenses not covered by district or grants. | Ongoing | 12.B Financial, Economic, Business and Entrepreneurial Literacy  |
| Recreation and Social Activities | Teambuilding and Celebrations | Students plan teambuilding exercises early in school year and celebration events after successful events and other milestones.  | Ongoing | 9.B Work Effectively in Diverse Teams |
| Community Service | STEM+CS Outreach for Youth | Students host Robotics demos/workshops, volunteer at local STEM+CS events and mentor other teams.  | Ongoing | 11.A Guide and Lead Others |
| Leadership Development | Elect Officers | Students select team captains and leaders for each sub-team | September 2017 | 11.A Guide and Lead Others |

***Additional activities may be added. Submission of this form is assurance that leadership equivalent and associated activities are active on campus as required component of CTE educational program***