**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 MS **Program Area: STEM**

**CIP Code: 150406 Instructor(s):** OSD MS 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

[ ]  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) **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** |
| Competitive Events | FIRST LEGO League (FLL) Qualifier | Create Research Project, including Innovative Solution for FLL Judging | December 2017 | 1.A Think Creatively |
| Competitive Events | FIRST LEGO League (FLL) Qualifier  | Design, Build and Program an autonomous robot to meet robot game challenge | December 2017 | 2.D Solve Problems |
| Competitive Events | FIRST LEGO League (FLL) Qualifier  | Develop inclusive teamwork strategies to support FLL Core Values | December 2017 | 3.B Collaborate with Others |
| Competitive Events | FIRST LEGO League (FLL) Qualifier | Research Project problem area, including existing solutions and content experts, develop innovative solution and prioritize/condense data into concise presentation for judges | December 2017 | 4.B Use and Manage Information |
| Competitive Events | FIRST LEGO League (FLL) Qualifier  | Create Project presentation, Design Executive Summary and Core Values poster for FLL judging | December 2017 | 5.B. Create Media Products |
| Competitive Events | FIRST LEGO League (FLL) Qualifier  | Demonstrate robot design process for FLL Robot Judges | December 2017 | 6.A Apply Technology Effectively |
| Competitive Events | FIRST LEGO League (FLL) Qualifier | Demonstrate adaptive teamwork by solving real time mystery challenge during FLL Core Values Judging | December 2017 | 7.B Be Flexible  |
| Employability and Career Skills | FIRST LEGO League (FLL) Qualifier  | Complete competition robot and judging collateral by FLL Qualifier date | December 2017 | 8.A Manage Goals and Time |
| Employability and Career Skills | FIRST LEGO League (FLL) Qualifier  | Demonstrate inclusive teamwork strategies to solve FLL Core Values Judging mystery challenge | December 2017 | 9.B Work Effectively in Diverse Teams |
| Planning and Evaluation | FIRST LEGO League (FLL) Qualifier  | Reflect upon Judging Rubrics’ feedback on deliverables from all 3 FLL Judging sessions (Robot Design, Project and Core Values) | December 2017 | 10.B Produce Results |
| 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 |
| 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 |
| Organization and Management | Component and Supplies Inventory Management | Students maintain a large inventory of robotic parts and components, both mechanical and electrical. They fairly distribute these between sub-teams. They share resources and determine what materials need to be purchased/replaced. | Ongoing | 10.A Manage Products |
| Leadership Development | Elect Officers | Students select team captains and leaders for each sub-team | September 2017 | 11.A Guide and Lead Others |
| Financial and Fundraising | Fund Raiser for team expenses | Students select, plan and execute a fund raiser to cover team 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 FLL and other milestones.  | Ongoing | 9.B Work Effectively in Diverse Teams |

***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***