

Application Form

Cover Page

Project Name: Tech Equity Extensions (Coding and Computational Learning)

Applicant Organization/Group: SWNI Schools Committee

Project Coordinator: Maripat Hensel, Schools Committee, Chair

Phone: 503-936-5863 Email: henselm@comcast.net, schools@swni.org

Applicant Mailing Address: 2911 Orchard Hill Place

City, State, Zip: Lake Oswego, Oregon 97035-1194

Fiscal Sponsor Organization: Southwest Neighborhoods, Inc.

Fiscal Sponsor or Non-profit 501(c) (3) Tax ID # 93-0717013

Fiscal Sponsor Mailing Address: 7688 SW Capitol Hwy

City, State, Zip: Portland, OR 97219

Phone: 503-823-4592 Email: sylvia@swni.org

Partner organizations:

Impact NW/SUN Program Jackson Middle School: Elinor Cannon, Jackson SUN Site Manager

Multnomah County Library/Capitol Hill Branch: Amy Fellows, Youth Librarian

West Portland Parks Neighborhood Association: Mike McNamara, President

Portland Jewish Academy: Matthew Rosenberg, Technology Integration Specialist

Home Forward: Tony Villagran, Resident Community Services Coordinator.

Other partners may include: Free Geek, Portland Refugee Support Group, Muslim Education Trust, Wilson HS Robotics, Robert Gray - SUN Program, Hillsdale Library, Girls Who Code, Portland Public Schools District Technology Curriculum Specialists (STEAM), Neighborhood House (Hayhurst Connection), SW Portland Faith Communities, SW Portland Businesses.

Grant Amount Requested: \$900

Project Summary: “Coding” is a major education trend in our digital world. The Tech Equity Extensions program will provide an introduction to computer science by teaching basic coding to students and highlighting the relevance of coding to their daily life and careers. “Coding for Middle School Students” is an 8-week session for students. “Reach Outs” are shorter activities/one-time events targeted to parents and community members.

Narrative

1.) Project Description.

The need: By 2020 we expect to see a million more jobs in technology; however, Oregon won't have enough people to fill these jobs. Governor Kate Brown is encouraging our schools to offer programs which expose students to computer science at a younger age. With small-grant support, Southwest Portland middle school students will gain initial coding skills, get an introduction to computer science, and learn about the many career opportunities available in the computer science field. It's hoped this exposure will get Oregon students interested in exploring the computer sciences and the confidence to take further advanced courses.

The project: Tech Equity Extensions (Coding and Computational Learning). This project introduces computer science and coding relevance through facilitated learning of coding principles, hands-on application, and self-directed projects. Community members will learn the importance of coding at home and at work. There are four project components:

A. Coding for Middle School Students. Coding Program offered through SUN Program/Jackson Middle School (JMS) and Multnomah County Library/Capitol Hill branch. Eight week program; twice weekly sessions: Session 1 Learning to Code – facilitated instruction with hands on application; Session 2 Fun with Coding – applied learning: participants choose coding activities of interest. Hands-on application with facilitators. Participation by community members discussing how they use coding in their everyday life and careers will enhance this experience.

B. Family/Community Code Night. Community/Family Code Night allows students to demonstrate their new coding skills by teaching family members and others. It also allows business/community members to see/experience what students are learning and achieving.

C. Establish a Coding Library. Develop a collection of books on coding, housed in SUN program "library" or in a section of the JMS library.

D. Reach Outs – Project Extensions into the Community. Reach Outs will include stand-alone and collaborative events with partners for K-8 students, parents, and siblings. Reach Outs will determine the interest of under-represented and other components of the community. Volunteers for the Fall Coding Session will help develop a hands-on computational learning activity (e.g. puzzle-building, robotics), and Coding Curriculum segments will be incorporated into it. Each Reach Out will include unique offerings and thus encourage multiple visits by community members. Email address lists will be collected. Skill assessments, asset mapping, and conversations will guide future projects. Snacks and beverages will be provided and raffle items will be included. Partners and neighborhood associations will be requested to collect new or "rarely used" puzzles (2 and 3 dimensional) and games for distribution. We will integrate technology with art, music and other humanities. Reach Outs will attract English Language Learners (ELL) and will include SWNI Schools Committee announcements/information about other SWNI events and activities.

Measurable outcomes.

1. Attendance Tracking for participants and volunteers.
2. Stories and photos of Reach Outs and Coding Sessions will also be collected.
3. Advertise and build awareness about Reach Outs and Coding. Identify and work with specific groups, such as the Somali residents and the refugee community.
4. SWNI Schools Committee members will record participant opinions and how future Reach Outs will allow them to acquire additional skills and recruit new participants.

2.) Community organization partners.

IMPACT NW/Jackson Middle School SUN School and Multnomah County Library/Capitol Hill Branch. New partnership developed for this proposed project. JMS SUN Site Manager Elinor Cannon and Capitol Hill Youth Librarian Amy Fellows are coordinating with the SWNI Schools Committee in developing and implementing the Coding related programs (Coding for Middle Schoolers, Coding Library Resources, Community/Family Code Night). The SWNI Schools Committee is also coordinating the community outreach component of recruiting volunteer facilitators, business and community members. On-going support: Schools - Provide information, student participation, PTA's and school programs - planned activities support classroom offerings. Libraries – Connections to research resources, gathering places, Wi-Fi. Neighborhood Associations (NAs) – Areas of interest based on neighborhood needs, publicity, volunteers.

3.) How the budget supports the project. a) Requested Funds for food and beverages, activity related supplies and materials, Coding books for Library. b) Donated Services & Time for project work done by partner staff, SWNI Schools Committee Tech Equity group, and community volunteers for planning, documentation, engaging new families, staffing activities. Partners will provide space, equipment, communication, curriculum design, facilitation and snacks for students.

4.) Project Promotion. Materials will include a notice of ONI Small Grant Support and SWNI non-discrimination policy. Publicity: SWNI’s SW News monthly, newsletter, on the Schools Committee website and sent to SWNI Schools’ Constant Contact e-distribution lists. Schools (PPS and other SW Schools) and NA publications will also be asked to support this project. In addition, local media outlets will be sent information. Reach Outs will promote our project. Word-of-mouth (WOM) messages and announcements will be provided for NA’s and other organizations.

5.) Timeline. February 17, 2018 – January 15, 2019. Final report January 31, 2019

<u>Activity</u>	<u>Start</u>	<u>Completion</u>
Coding For Middle School Students Planning, preparation	2/17/18	11/1/18
Milestone: 8 week session being held	9/6/18	11/1/18
Coding Library. Planning, preparation, establishment	2/17/18	8/30/18
Community/Family Code Night. Planning, preparation	2/17/18	1/15/19
Milestone: Community/Family Code Night Event held	11/1/18	1/15/19
Reach Outs. Planning and preparation	2/17/18	8/30/18
Milestone: Reach Outs being held	3/25/18	8/30/18
Final Report. Evaluate project, write report, submit	1/11/19	1/31/19

Project Budget

Item	Requested Funds	Leveraged Funds and/or Additional Grants*	Donated Services & Time**
Personnel			Volunteers (170 hrs) & Partners' Staff (75 hrs) @ \$21.50 hr = \$5,268
Promotional Materials/Printing (Flyers, brochures, advertisements, etc.)			Web, Constant Contact, school & local news, Word of Mouth (WOM). SWNI Schools Committee copying budget.
Event Related Expenses a. Community/Family Code Night: Food/Beverages, event set up materials/ supplies; paper products; decorations. Training materials. b. Coding Library: Purchase books c. Reach Out Events: Materials, bins, 3 panel board displays, booklets for computational learning, projects and other games. Raffle items, snacks & beverages, paper products.	\$200 \$200 \$500		Partners in-kind: instruction material, class worksheets; instruction equipment (projector, big screen, speakers); computers; Classroom space; food, snacks for students
Permitting & Fees			
Participant Support			
Project Materials			
Additional Expenses			
Subtotals	\$900		\$5,268
Administration*** (Fiscal sponsorship, administrative project management, accounting)			SWNI Staff (10 hrs @ \$40) planning, financial, other support = \$400
TOTALS	\$900		\$5,668

Application Checklist: Please check the boxes below, sign and submit with application.	
Cover page: Include all information requested on a cover page in a format similar to <u>page 8</u> .	√
Narrative: Must follow the question format on <u>page 9</u> ; 12 point font, margins no less than 1-inch, single spaced. No more than two pages.	√
Proof of Fiscal Sponsorship (if other than SWNI): Copy of your organization's IRS nonprofit determination letter, or copy of your formal agreement with your fiscal sponsor agency and a copy of their IRS nonprofit determination.	n/a
Budget: Complete a one-page budget. Ensure that all line items in the budget are explained clearly in your response to question #3 of the narrative.	√
Proof of Partnership: A letter of support is required from each major partner organization of your proposed project.	Submitting 4 of 5 letters; 1 letter in process. See attached Proof of Partnership memo.
Packet: Should include cover page, narrative, budget, proof of fiscal sponsorship, and a letter of support from major partner organization, and this signed checklist. Do not include any additional documents, i.e. photos, newsletters, etc. The committee will not consider these additional items.	√
Deadline: Hand Deliver entire grant application packet by 5 pm, Friday, January 12, 2018 to Southwest Neighborhoods, Inc, 7688 SW Capitol Hwy, Portland. OR 97219, Attn: Sylvia Bogert.	Emailed.
I read, checked the boxes and completed all of the above. Signature: Maripat Hensel	

Proof of Partnership – Letters of support.

1. Impact NW/SUN Program Jackson Middle School: Elinor Cannon, Jackson SUN Site Manager
Letter included in packet.
2. Multnomah County Library/Capitol Hill Branch: Amy Fellows, Youth Librarian
Letter in process. To be forwarded asap.
3. West Portland Parks Neighborhood Association: Mike McNamara, President
Letter included in packet
4. Portland Jewish Academy: Matthew Rosenberg, Technology Integration Specialist
Letter included in packet
5. Home Forward: Tony Villagran, Resident Community Services Coordinator
Letter sent directly to Sylvia Bogert at SWNI, copy included in packet