



Memorandum

TO: MAYOR LICCARDO

FROM: Councilmember Magdalena Carrasco

SUBJECT: BUDGET DOCUMENT

DATE: 05-22-19

Approved

Date

5/17/19

RECOMMENDATION

That the following recommendation be enacted.

Proposal

Program/Project Title: Purchase Robots, Accessories, and Curriculum from Wonder Workshop

Amount of City Funding Required: \$9,670

Fund Type (i.e. General Fund, C&C funds, etc.): General Fund

This change is:

One-time

Proposal Description: including anticipated outcomes (describe how change would affect services for San José residents, businesses, community groups, etc.):

San Jose Public Library (SJPL) and the City of San Jose is committed to increasing the availability of quality STEM programming to students; providing Robot Wonder Workshops will increase access to robotics programs that increase hands-on play and creative problem solving while learning to code and innovate which is in alignment with the Education and Digital Literacy Strategy.

This funding will allow for an expansion of the City's Coding 5K programs to Community Centers and ASES afterschool sites. In partnership, SJPL will offer Wonder Workshop robots and curriculum to Branches (Alum Rock, Hillview and Mt. Pleasant) as an additional program option and PRNS will offer the Wonder Workshop at the Mayfair Community Center (Teen Center), Alum Rock Youth Center, and ASES Program (afterschool program at the Lyndale, ACE Empower, ACE Esperanza and Summerdale school sites).

Program Plan:

- SJPL's Education and Programming Services unit will train staff (Library and PRNS) and volunteers on the curriculum and concepts and provide community feedback to SJPL leadership.

- A coding champion at each Branch/Community Center will be trained on the curriculum and participate in regular conference calls to give ongoing feedback on the progress of the pilot.
- All locations will be supported by SJPL's Education and Programming Services and Volunteer Services throughout the program.
- All hardware materials will be pouted to branch/ community center prior to the start of the program.
- Each location will choose 1-3 grade levels to program- for example, a Branch will start with a specific scope and sequence from the Wonder Workshop curriculum. All Wonder Workshop scopes are aligned with Code.org's Computer Science Fundamentals series.
- The curriculum will also need to be reviewed with new volunteers/ staff during their normal orientation.
- Outreach will be conducted by staff to best meet their individual community needs.
- Quality and learning assessment surveys will be administered by either volunteers or staff and will be uploaded into the designated Coding 5K SharePoint folder at regular intervals.

Curriculum:

- Wonder Workshop's standard-based curricular resources spark creativity and self-confidence 1 with students of all ages, inspiring them to dream up new adventures while developing lifelong skills and competencies.
- Wonder Workshop offers a K-5 Learn to Code and a 6-8 Applied Robotics curriculums, which covers the fundamentals and more advanced coding and robotic skills.
- Wonder Workshop's database of lesson plans and turnkey activities can be implemented and integrated into all programs. STEAM-related content and easy-to-integrate ideas for grades K-8 are available.
- The curriculum includes detailed concepts and standards alignment as well as handouts, worksheets, and an evaluation rubric

Funding Source

Essential Services Reserve (~~\$2~~^{\$4} million)

Other (Program/Project/Fund):

Department or Organization: San Jose Library and PRNS

Department or Organization Contact (list contact information for the individual that certified cost estimates contained within your recommendation):

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