



Cynthia Pacheco Coding Grant 2020-2021

Description:

The AFCEA Hawaii Chapter realizes the importance of encouraging students to pursue Science, Technology, Engineering and Mathematics (STEM) careers. Motivated STEM teachers can spark a lasting enthusiasm for STEM subjects which can provide the foundation for a lifelong and fulfilling career. To empower Hawaii's educators in their drive for STEM innovation and instruction, the AFCEA Hawaii Chapter is pleased to offer the Cynthia Pacheco STEM Coding Grant.

The Cynthia Pacheco Coding Grant provides an award of \$5,000.00 to promote the use of coding as a learning tool in the classroom with emphasis on elementary academic programs that enhance coding experience for students. Appropriate use of funds shall include but not limited to teacher education, instructional material, on-line coding programs/courses resulting in students' appreciation and excitement in the art of coding. Further, it can be used to alleviate the cost for coding activities or professional tools to help students learn to code by pursuing the foundations of programming, problem-solving, logic and critical thinking.

Appropriate use of funds may include purchase of consumable materials; e.g., software, tutorials, teaching aids, periodicals, subscriptions, for classes and programs that augment coding activities. Funds are not to be used for rewards, trips, gifts, hiring consultants or monetary compensation for teachers, speakers or guests.

Eligibility:

This Grant will recognize one outstanding teacher who shows innovation in engaging students in critical and creative thinking. It will be awarded to support coding projects/programs that propose to increase student engagement and achievement. Applicants should be a classroom teacher in the school year that the project or program will be executed.

Selection:

A teacher must be providing coding instruction at an elementary (K-6) school in Hawaii. Regarding funding, selection will be made based first on financial need and second on how they will use the funds. Preference will be given to a coding project/program that is sustainable beyond the current school year and reaches the largest number of students.

A detailed proposal is required stating the following:

- Title and description of the coding project/program
- Number of students and grade(s) involved or impacted
- Goals and objectives:
 - What will be the learning objectives, and sustainability or replication potential of the coding project?

- What coding activities will be conducted to accomplish the objectives and learning expectations?
- The innovative or unique methods & procedures that will be used to determine effectiveness of student learning
- Timetable that supports the proposed coding activities
- Budget describing how the funds will support proposed activities

Additional Information:

- Applicants must include a letter of recommendation from a school or program official who is familiar with the applicant's coding work.
- This grant may be applied for annually.
- Notification of the grant will be sent at the start of the school year.
- If a grant is awarded, an evaluation and account of funds used will be due by: June 30, 2021.
- Any questions, please contact: stemgrants@afceahef.org
- The Cynthia Pacheco Coding Grant is made possible in part by generous donations from the members of AFCEA Hawaii Chapter.

The Cynthia Pacheco Coding Grant Application Deadline is: **October 2, 2020**