

JEDC STAR Program AmeriCorps Service Position Description



Host Site: Juneau Economic Development Council

Website: www.stemak.org

Position Title: Youth Robotics/STEM Position

General Schedule: M-F 9am-5pm with occasional evening and weekend hours

Education Level: College graduate or higher

Age Requirement: 18 years and older

Program Locations: Alaska

General Description: The guiding objective of the JEDC/STEM AK initiative is to increase student interest and competencies in Science Technology Engineering and Math fields, organized around three strategies: facilitate professional development of teachers, offer STEM enrichment activities to students; and participate outreach to build public awareness and support. Our work is guided by a commitment to hands-on, engaged learning that links students to real world opportunities and challenges in an environment of high expectations and discovery. The AmeriCorps member will support robotics activities for grades K-12 and organize activity to broaden the reach of the current STEM program.

Member Duties:

- Work with parent teacher organizations to organize a robotics activity the Family Science Night at each elementary school in Juneau
- Recruit, train, and support robotics coaches in Juneau Public Schools with a focus on K-8
- Coordinate with the public libraries to host robotics activities for grades K-3
- Serve as the Event Manager for the Southeast Regional FIRST LEGO League Tournament
- Develop brief activities and materials for a robotics booth at large community events (eg Juneau Maritime Festival, Community Day at UAS, SeaWeek) and train community volunteers and students to provide activities
- Recruit underrepresented students to participate in JEDC STEM summer camps
- Deliver engaging robotics activities to students in robotics summer programs
- Adhere to the rules, regulations, and code of conduct as specified in the Member Service Agreement
- Will not engage in any AmeriCorps' Prohibited Activities as listed in the member Service Agreement

Program Benefits: education award upon successful completion of service

Terms: None

Service Areas: Education, Community Outreach, Children/Youth

Skills: Education, Teaching/Tutoring, Youth Development, Teamwork, Leadership, Communication, Conflict Resolution, Recreation Planning, Basic computer skills, strong written and verbal communication skills