



Request for Proposals

Overview:

The American Association of University Women (AAUW) requests a proposal from a qualified consultant (or team of consultants) to enhance an existing cyber security curriculum for girls going into the eighth grade and virtually train a team of teachers across the country to accurately implement the curriculum in a classroom setting.

With funding from the Symantec Corporation, AAUW aims to shape a cyber security class curriculum for the AAUW National Tech Trek Pilot Program (“Tech Trek”), a weeklong residential camp for girls that includes four classroom workshops over five days. As the demand for cyber security grows, girls must have the tools necessary to prepare them for the future. As research has shown, women are highly underrepresented in the field of computer science, Tech Trek aims to provide them cutting edge skills and exposure to STEM careers.

Tech Trek draws on research that indicates recruiting and retaining girls in STEM (science, technology, engineering, and math) fields should include targeted programs to educate girls about STEM career choices. Although information technology skills and concepts are needed to be competitive in today’s world, many girls have limited K-12 exposure to computing, particularly in lower-income households and communities.

Timeframe:

The timeframe for this project is January 29 – May 6, 2016.

Curriculum Details:

Proposal should provide a detailed sample STEM curriculum and teacher guide with proven track record of successful implementation in a classroom setting. The consultant(s) will reshape the curriculum AAUW designed and piloted for the cyber security course at last year’s Tech Trek. The goal of the class is to use interactive methods to teach girls about multiple aspects of cyber security and expose them to related careers in an exciting and engaging way.

The sample curriculum submitted by candidates should reflect detailed understanding of STEM learning principles such as team work and hands on interaction with the material. The curriculum should emphasize team projects and diversity of technology applied to the real-world.

Successful proposals should include all of the following items:

- Sample STEM curriculum geared toward girls going into eighth grade.
- A detailed description of the web platform that will be used for teacher training and how it will be accessed and utilized by teachers.
- A schedule that includes availability to train teachers from April 18-May 9 with estimated hours of training, plans for follow up sessions for teachers who may have to make up a session and what type of assignments teachers would receive between training sessions.

- Any associated materials, such as learning tools, handouts or worksheets.

Minimum Qualifications and Competencies:

- Knowledge of research-based instructional models, curriculum and program design and development.
- Experience with curriculum creation and implementation for middle school age children.
- Advanced degree in Education, preferably with a focus on Curriculum and Instruction, or similar discipline.
- Related work experience in one or more cybersecurity and educational fields.
- Demonstrated success using virtual training methods.
- Ability to work independently and remotely.

Project Timeline

Deadline for Proposals	Friday, January 29, 2016, 11:59 PM (EDT)
Proposal Review	February 1 – 5, 2016
Consultant Interviews	Feb 8 – 12, 2016
Notification to Selected Contractor	February 15, 2016
Project conclusion	May 6, 2016

Submission Requirements:

AAUW will accept submissions from an individual or group of consultants. Please submit the following by 11:59 PM (EDT) Friday, January 29, 2016 to stem@aauw.org with Cyber Security Curriculum Consultant in Subject line of email:

- Resume/C/V, including relevant experience in developing and delivering similar curriculum
- Sample curriculum (See Curriculum Details Above)
- References specifically related to suitability for the position
- Compensation requirements