Expo Team Selection Criteria

**Title of Project:** Include a title for the student project. This may be the same as the lesson plan title.

**Title of Lesson Plan:** Enter GEMS or teacher-created lesson plan title.

**Grade Level:** Include grade level of team members.

**Subject Area:** Indicate the target subject area(s) of the lesson plan and project.

**APPLICATIONS WILL BE SCORED ON THE FOLLOWING:**

**Challenging Problem or Question:**

- State the challenging problem or question. – i.e. what the project is “about,” if one were to sum it up – this may be a problem to investigate and solve, or a question to explore and answer.

**Project Description:**

- Provide an overview of the lesson and project the students will complete.
- Describe key concepts, knowledge and/or skills aligned to an academic subject area.
- Also include the process (activities) and expected outcomes.

**GEMS Strategies:**

- Describe how your team plans to incorporate two or more of the following strategies.
  1. Provide opportunities for girls to collaborate and communicate with one another; (21st Century Skills)
  2. Provide plenty of hands-on, minds-on activities so that girls' natural curiosity can be nurtured;
  3. Organize your classroom and activities so that girls can innovate and approach problems in their own way to create personally relevant, meaningful products or projects;
  4. Build confidence and performance by asking girls' perspectives through higher order questions;
  5. Respond to girls' participation in the STEM activities through prescriptive and informational feedback;
6. Capitalize upon girls' natural interest in the life sciences—this can serve as a gateway to other sciences, using math as a basis for understanding and communicating science processes;
7. Help girls build the spatial skills that are crucial to success in many math- and science-related fields, such as physics, engineering, architecture, geometry, topology, chemistry, and biology.
8. Expose girls to female role models who have succeeded in STEM.

**Student Created Video**

- Students create a video to provide a brief description of the planned project. This video will include:
  - Project Title
  - Challenging Problem or Question
  - A brief description of the project/challenge including the process and expected outcomes.

Teams may use a digital resource (i.e. slideshow, video, website, etc.) for display purposes during the GEMS Expo. The use of digital content is encouraged throughout the learning process. (This component will not be scored as part of the application)