

CAL Pre-Conference Workshop Information

Thursday, September 10th at 8:30 a.m. MT; [2020 Schedule at a Glance](#)

Title:

Level Up Your Facilitation and be a "Guide on the Side" for Virtual and In-Person STEAM Programs

Materials:

- 5 sheets of paper
- 5 pieces of tape (~1 inch)
- 2 medium-sized books
- 1 large blueberry or small grape (or bead/ball of equivalent size)
- 1 peppercorn (or bead/ball of equivalent size)

Description:

"Guide on the Side" facilitation can open a new world of STEAM (Science, Technology, Engineering, Arts, and Math) learning opportunities for your library patrons. A Guide on the Side elicits learners' thoughts, ideas, and conceptions and encourages them to work together to build new understanding or skills for themselves. In this session, facilitators from the STAR Library Network (led by the National Center for Interactive Learning at the Space Science Institute in Boulder, CO) will give you Guide on the Side strategies and resources for engaging your audience in STEAM exploration. Facilitators will discuss real-life examples of library staff successfully utilizing Guide on the Side facilitation strategies in their STEAM programs.

Workshop participants will utilize interactive activities and engage in small and large group discussions to experience and learn more about these techniques. We will also discuss ways to tweak your youth, adult, and family programs to be more inclusive for learners of various backgrounds, learning styles, and STEAM capabilities. In addition, you will learn techniques that will enhance both in-person and virtual programs for learners of all knowledge backgrounds and walk away with engineering design challenges and NASA activities from the *STAR Library Network* (<https://clearinghouse.starnetlibraries.org>) that will enrich your library's STEAM programs.

Agenda (all times in Mountain Time)

- Welcome and Introduction (8:25-9:00 a.m.)
- Breakout Session #1 (9:00-9:20 a.m.)
- Break #1 (9:20-9:30 a.m.)
- Facilitation Pathways (9:30-10:30 a.m.)
- Break #2 (10:30-10:40 a.m.)
- Interactive STEAM: Mars Match (10:40-11:00 a.m.)
- Breakout Session #2 (11:00-11:25 a.m.)
- Closing (11:25-11:30 a.m.)