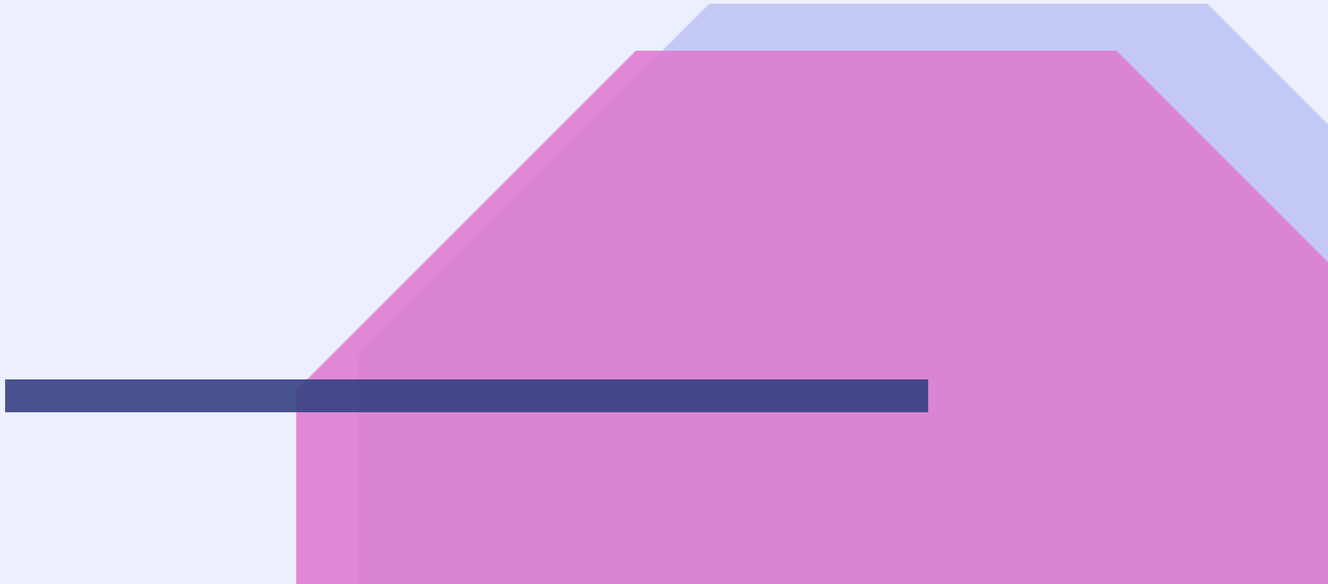
OVERVIEW

SNAP THE GAP

Presented by the UC Davis STEM Strategies Group



THE PROBLEM

ONLY 35% OF STUDENTS PURSUING POST SECONDARY STEM DEGREES OR CREDENTIALS ARE WOMEN

Nationally, gender differences in STEM education participation are already visible in K-8 education. Girls appear to lose interest in STEM subjects with age, and lower levels of participation are seen in advanced studies. By higher education, women represent only 35% of all students enrolled in STEM-related fields of study. Women leave STEM disciplines in disproportionate numbers during their higher education studies, in their transition to the world of work and even during their career cycle.

SNAP THE GAP

Snap the Gap

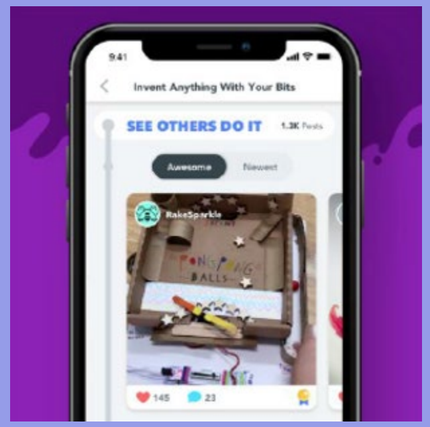
Through the Snap the Gap program, we will work toward empowering, exciting, encouraging and engaging girls, at the critical age of 11, just prior to the age most girls start getting discouraged from pursuing careers in STEM.

The Program Elements



STEM INVENTOR KIT

Provides hands-on experimental learning.



EXPANDED OUT OF SCHOOL ACTIVITIES

I1-year access to online resources.

Provides opportunities for future STEM pursuit and exploration.



MENTORSHIP FROM STEM PROFESSIONAL

Provides a role model, exposure, opportunities, and guidance.

PROGRAM TIMELINE

ACADEMIC YEAR 2019-2020

Kick-Off Session

Mentoring Sessions

Showcase

Customize For Your Site

- 20 hours of engagement
- 10, 2-hour sessions
- Flexible based on individual site needs

Snap the Gap Sample Schedules

Key:
Intro Sessions
Guided Inventions
Open Challenges
Showcase Challenge

	8 Sessions	9 Sessions	10 Sessions	11 Sessions	12 Sessions
1	Introduction to Snap the Gap and littleBits	Introduction to Snap the Gap and littleBits	Introduction to Snap the Gap and littleBits	Introduction to Snap the Gap and littleBits	Introduction to Snap the Gap and littleBits
2	Introduction to the littleBits Invention Cycle	Introduction to the littleBits Invention Cycle	Introduction to the littleBits Invention Cycle	Introduction to the littleBits Invention Cycle	Introduction to the littleBits Invention Cycle
3	The Navigator	The Navigator	The Navigator	The Navigator	The Navigator
4	Trash Chomper	Trash Chomper	Trash Chomper	Trash Chomper	Trash Chomper
5	Robo Arm	**You pick:** ChangeMaker OR Chain Reaction Challenge Part 1	Robo Arm	Changemaker Challenge Part 1	Robo Arm
6	Carnival Games Challenge Part 1	**You pick:** ChangeMaker OR Chain Reaction Challenge Part 2	**You pick:** ChangeMaker OR Chain Reaction Challenge Part 1	Changemaker Challenge Part 2	Changemaker Challenge Part 1
7	Carnival Games Challenge Part 2	Carnival Games Challenge Part 1	**You pick:** ChangeMaker OR Chain Reaction Challenge Part 2	Chain Reaction Challenge Part 1	Changemaker Challenge Part 2
8	Carnival Showcase	Carnival Games Challenge Part 2	Carnival Games Challenge Part 1	Chain Reaction Challenge Part 2	Chain Reaction Challenge Part 1
9		Carnival Showcase	Carnival Games Challenge Part 2	Carnival Games Challenge Part 1	Chain Reaction Challenge Part 2
10			Carnival Showcase	Carnival Games Challenge Part 2	Carnival Games Challenge Part 1
11				Carnival Showcase	Carnival Games Challenge Part 2
12					Carnival Showcase

SITE COORDINATOR ROLE & RESPONSIBILTIES

1 PREP

- ☐ Set program dates, times, and locations
- ☐ Distribute & collect parent consent forms
- ☐ Connect with mentors and verify background checks

  ***Note: We will work towards reaching out to industry, professional organizations, and higher education to assist with promoting the mentoring opportunity and encouraging engagement with your site.*
- ☐ Pick up Kits and paperwork at designated location
- ☐ Review mentor training materials

2 KICKOFF EVENT

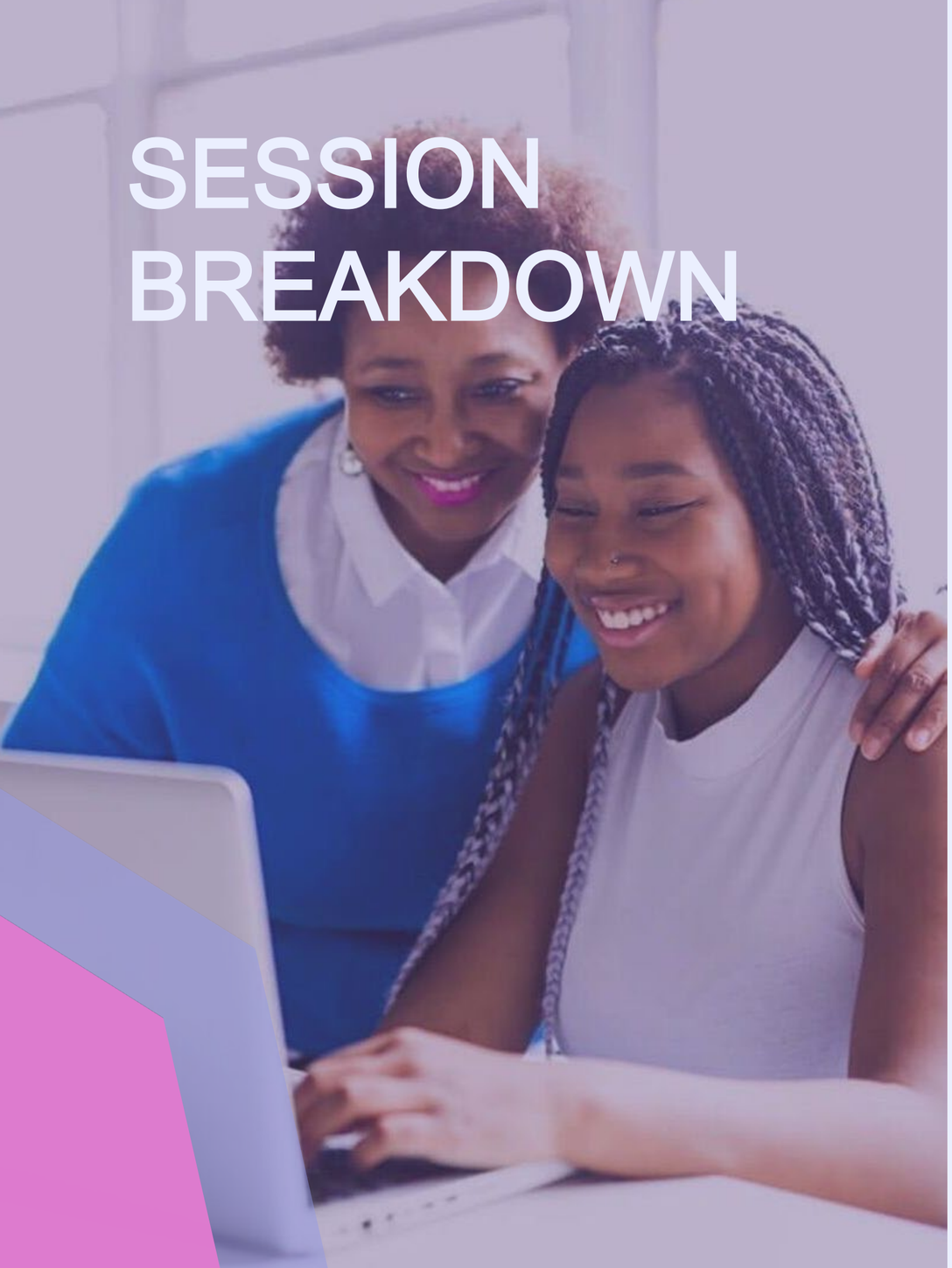
- ☐ Intro the program & get participants excited about joining!
- ☐ Pair girls with mentors
- ☐ Facilitate pre-survey
- ☐ Distribute Kits & a method for girls to label them
- ☐ Distribute DIY (perviously called JAM) codes to girls/parents
- ☐ Provide a place to store Kits between sessions

3 PROGRAMMED SESSIONS

- ☐ Set the tone for the day! Make it fun :)
- ☐ Make sure girls and mentors are paired
- ☐ Provide a place to store Kits between sessions

4 SHOWCASE

- ☐ Introduce showcase
- ☐ Facilitate post-survey
- ☐ Provide program feedback to the Snap The Gap team



SESSION BREAKDOWN

CHECK IN

- Check in mentees and mentors
- Pair mentees with designated mentor

WELCOME & MEET UP

- Introduce program
- Distribute the kits.

INVENT!: HANDS ON ACTIVITY

- Have the pairs start exploring the kit and online resource videos, then make an invention!

REFLECT & GROUP SHARE

- Encourage group sharing of inventions

WRAP UP

- At the end of the session, have participants pack up their kits and store onsite for the remainder of the program.

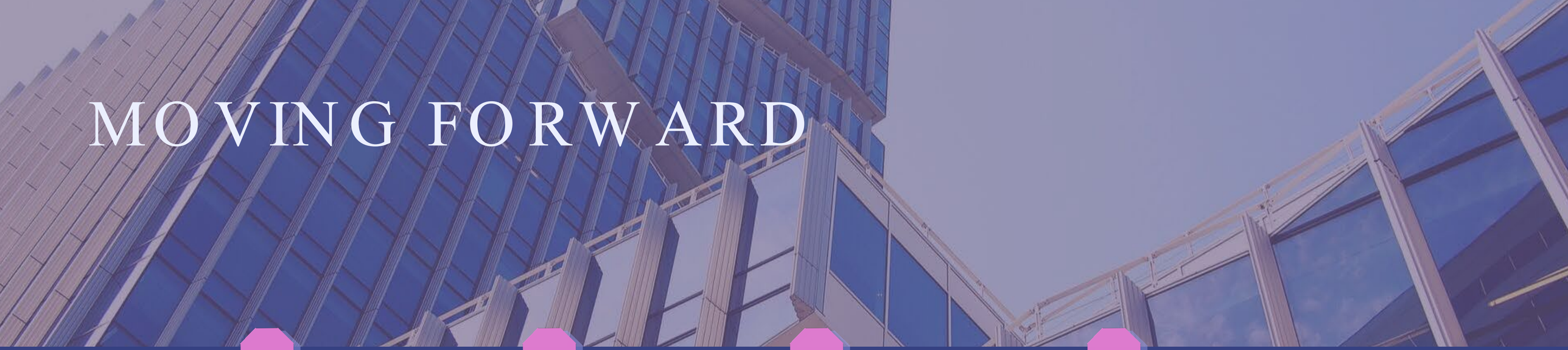
MORE ON ACCESS TO MENTORS AND BACKGROUND CHECKS

MILLION WOMEN MENTOR SITE

- Site Coordinators will have access a unique MWM link to contact and reach potential mentors.
- The Snap the Gap team will assist in promoting your opportunity by reaching out to area industry, professional associations, higher education, and other STEM related businesses.
- Site Coordinators are encouraged to share with existing networks like PTA, local colleges, high schools, Chambers of Commerce, and health care systems.

BACKGROUND CHECKS

- The background check process is site specific.
- Site Coordinators will direct mentors through existing protocols.
- After completion the Site Coordinator will provide email contact information to the Snap the Gap Team



MOVING FORWARD

REVIEW OTHER MATERIALS

Available through our website: SnaptheGap.org

SCHEDULE A CALL WITH THE PROGRAM TEAM

Discuss questions, project engagement, and begin planning session dates for your site.

LOGISTICS

Follow up on registration numbers, distribution of kits, background check process, etc.

PROGRAM ROLL OUT

Host kickoff, mentoring, and showcase sessions.

Reach out to our Snap the Gap team with any feedback!

THANK YOU FOR LISTENING!

CONTACT US

WEBSITE

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