



NATIONAL ENGINEERS WEEK 2022

Introduce a Girl to Engineering



Learn more about how female engineers impact our world.

START EXPLORING HERE!

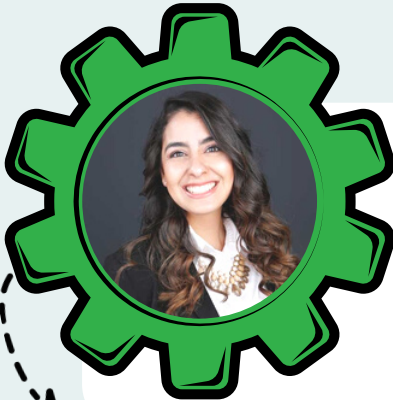
MEET AN INDUSTRY EXPERT



AILEEN TAPIA

Management Consultant >> Accenture

Click on the **green gear** to view our expert's video. Aileen has a degree in Industrial and Systems Engineering and is a servant leader in her STEM community. Her vision is to empower others to realize and maximize their potential and bring more inclusiveness, education, and awareness to underrepresented communities.



STRETCH YOUR LEARNING

EXPAND your engineering knowledge and capacity:

- Learn about [CarnegieSTEMgirls](#).
- Join [DiscoverE's Chats with Change Makers](#) or the [Persist Series](#) for live and on-demand chats each month.
- Complete the Innovation Challenge below. ↓



[View NAF's Engineers Week playlist](#)



COMPLETE THE CHALLENGE TO WIN

SHARE FOR A CHANCE TO WIN \$100

Before 3/31/22, share the URL of your completed project presentation [HERE!](#)

SHOWCASE YOUR PROJECT

Check out NAF's Showcase Choice Board on the next page for presentation ideas.

ACCEPT THE INNOVATION CHALLENGE

Deepen your learning by innovating for a project solution. Check out the challenge details on the next page.



IMPACT SURVEY FOR EDUCATORS: Scan or click the QR code to share your feedback and for a chance to win \$100.

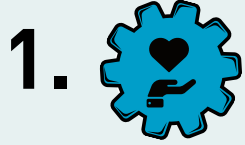




NATIONAL ENGINEERS WEEK 2022

Introduce a Girl to Engineering

Complete one of the challenges to "Introduce a Girl to Engineering" and build a pipeline of girls in STEM.

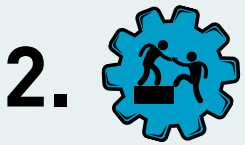


1.

START A STEM CLUB FOR GIRLS IN YOUR SCHOOL OR COMMUNITY

Work with your academy to launch (or further develop) a girls STEM club:

- [Society of Women Engineers \(SWE\)](#)
- [Girls Who Code](#)
- [VEX Robotics](#)
- [FIRST Robotics](#)



2.

HOST A STEM NIGHT TO SHOWCASE PROJECTS OR COMPETITIONS LED BY GIRLS

Research shows that [stereotypes](#) have more of a negative impact on academic performance than ability or cultural differences. The best way to challenge the stereotypes that discourage girls from embracing STEM is to cultivate environments (academic and social) that showcase what girls can do!

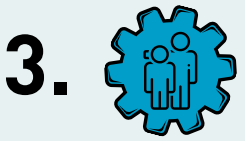
Speak to your educator and school administration about hosting a STEM night, and ensure plenty of space and opportunities for female learners to shine.



— “

[I felt] like I wasn't capable of understanding the science or smart enough to fit into STEM...I had this moment where I asked myself, 'Why can't you do it?' And I realized I had no answers.

” —



3.

DEVELOP A PROPOSAL TO LAUNCH A GIRLS-IN-STEM MENTORING PROGRAM

Perhaps there was a girl or woman who inspired you to explore STEM. Consider the impact that your encounter had on your STEM journey. Play it forward; find opportunities to encourage other girls to engage in STEM courses or competitions.

Develop [a proposal](#) to launch a mentoring program at your school to include either leveraging your academy's Advisory Board or local industry partners serving as mentors for your high school peers. Maybe, you and your female classmates can mentor elementary and middle school girls interested in STEM. It can be all scenarios; it is up to you!



4.

GET THE MESSAGE OUT!

Tag us on social media (@nafcareeracademy) to share your love of STEM, showcase your project, or your Introduce-a-Girl-to-Engineering initiatives!



For more information, please contact [Christine Rodriguez](#).



NATIONAL ENGINEERS WEEK 2022

Innovation Challenge: Introduce a Girl to Engineering



ACCEPT THE INNOVATION CHALLENGE

Complete one of the challenges on the next page as part of an effort to "Introduce a Girl to Engineering." Next, showcase your learning! Use the Showcase Choice Board below to share with the world the innovative way you are helping girls feel empowered in their STEM journey.

SHOWCASE YOUR CHALLENGE PROJECT

Bring your project to life by sharing your learning with a global audience! Present your learning journey using the Showcase Choice Board below. Then, generate a URL to share with your class, a mentor, an industry partner, and NAF!



Choice 1: Create a [YouTube video](#) to detail your learning through the project challenge.

Choice 2: Create a [blog](#) or a [social media campaign](#) to highlight your project and learning journey.

Choice 3: Create a career-readiness digital portfolio to showcase your project and learning journey using [Bulb](#) or [Google Slides](#).

Choice 4: Code or create a simple webpage to showcase your project. Consider [Replit](#) or [Wix](#).



Photo Credit: Disney

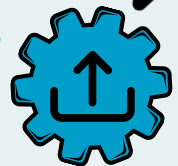
Meet Lanny Smoot, a Walt Disney Imagineer! He has 100 U.S. patents, and is considered "[one of the most prolific Black inventors in American history](#)." He strives to inspire Black youth to chase STEM careers.

Choice 5: Produce a [PechaKucha](#) (a 400-second visual story) to showcase your project and learning journey.

Choice 6: Showcase your project in a format of your choosing.

SHARE THE URL OF YOUR PROJECT SHOWCASE

Scan or click the QR code to complete the submission form and for a chance to win a \$100 gift card for you AND your educator.



For more information, please contact [Christine Rodriguez](#).