

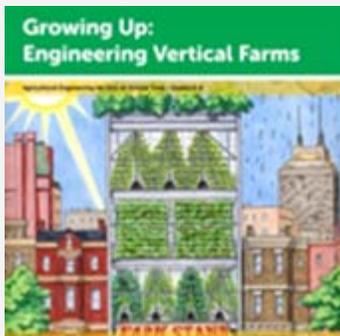
**swe** **NEXT** **Ed**  
ENGAGE. INSPIRE. ENRICH.



## SWENextEd Newsletter Vol. 2 – Dec. 2016

Welcome to this month's issue of SWENextEd. SWE has a new comic book you can send your students home with during winter break, a webinar to help make that classroom conversation on computer hardware easy, and an agricultural activity to get your students excited in building a better world through engineering. And, if you find yourself constantly saying 'Hey guys' to a diverse group, you might want to see what others are doing to build a more welcoming introduction. Have a great break and don't forget to share this newsletter with your colleagues and [get in on the conversation.](#)

### Agricultural Engineering in the Classroom



Engineering isn't only about gears and machines, it's also about clean water, environmental sustainability and making this world a better place in which to live. This month's featured activity, from Engineering is Elementary (EiE), is "[Engineering Vertical Farms](#)" designed for middle school classrooms.

It features agricultural engineers exploring the challenges of food production and population growth.

An educator shared:

"The unit has changed how I feel about leading engineering activities with kids because hands-on participation has really sparked interest."

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## Start saying "Hey folks," "Hey people," "Hey everyone," "Hey team"

"I believe in the power of women to build inspiring careers in all types of fields. At least, that's what I thought I believed." - *Excerpt from Time Magazine.*

[Time Magazine's "7 Ways to Be More Inclusive"](#) explores the research behind how our unconscious mind is heavily influenced by traditional western gender role associations. To further counteract the unconscious and get closer to the people we truly want to be, here is ["One Startup's Approach to Fixing the Women-in-Tech Gap"](#) in the use of more inclusive language. What strategies have you tried to create more inclusivity?

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## Educator Spotlight

Emily Moy, engineering teacher at Patrick Henry High School (PHHS) states, "I love to see my students starting and getting involved in clubs. It was very easy for me to become the club advisor as Maya, PHHS SWE Club President, is doing 100% of the planning and organization. I try to create an environment where girls have access to engineering and to other women engineers. The club appears to help remove the sense of isolation and give the young women a place to meet, share experiences and learn about possibilities for the future." [Find out more on the PHHS SWENext Club and founding president, Maya Rozenshten.](#)



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## Introducing Super SWE-Heroines!

SWE has a new comic book! You can use the fun engineering adventures of our heroines to excite your students about STEM. For your free download and more information, check out



[SWE's \*All Together\* blog](#). Want your students to receive the next SWE comic book directly in their inbox? [Have your students subscribe to SWENext!](#) SWENexters

receive monthly newsletters on the latest SWE events, happenings and fun projects. And don't forget, SWE is for anyone who supports women in engineering. Both girls and boys can join.

## SWE Voices from the Field

Wondering how to introduce technology to your students? SWE's Advance Learning Center webinar "[Voices from the Field: Anatomy of a computer for elementary school kids](#)" shows you just one example. Looking for more SWE webinars? [This video will show you how to find them](#).

Better yet, become a [SWE Educator Member for only \\$20/year](#) to access free SWE webinars. Both men and women are welcome to join and start receiving the full benefits of membership including networking, the *SWE magazine*, *All Together* blog, professional training, grants, and more.



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