

# Society of Women Engineers

## 2022 Call For Nominations SWENext Awards

### ***Individual***

*SWENext Community Award*

*SWENext Global Innovator Award*

### ***Group (SWENext Clubs)***

*SWENext Clubs Best Practices Award*

*SWENext Clubs Inspiration Award*

The logo for SWENEXT, featuring the letters 'swe' in a dark blue, lowercase, sans-serif font, followed by 'NEXT' in a light blue, uppercase, sans-serif font. The 'E' in 'NEXT' is highlighted in a yellow-green color.

## General Information

The Society of Women Engineers strives to recognize the successes of SWENext students and SWENext Clubs that do exceptional work in developing a community for students to explore engineering and other STEM fields. The SWENext mission is to:

- Empower female-identifying students under the age of 18 to prepare for careers in engineering and technology.
- Provide programming to help females under the age of 18 to develop leadership skills and self-confidence to succeed in a career in engineering and technology.
- Expand the image of the engineering and technology professions as a positive force in improving the quality of life.
- Demonstrate the value of diversity and inclusion.
- Provide programming to empower females under the age of 18 to become advocates for peers and younger girls.

Inside this packet you will find information on the awards offered by the Society of Women Engineers for SWENext students and SWENext Clubs who are working to further the SWENext mission. An 'Application Checklist' is included that details the requirements needed to fully complete an application packet. Please contact [awards@swe.org](mailto:awards@swe.org) if you have any questions. Note: you may apply for more than one award.

### **How to Complete the Application:**

- Fill out the appropriate 'Application' online.
- **Submit the application online by March 31, 2022, 11:59 PM, Central Time.**
- No exceptions will be made for late packages.

### **Important Information:**

- All applications are to be submitted electronically through the SmarterSelect application tool.
- **Incomplete** applications will not be considered.
- Applications that **do not meet the award requirements** will be disqualified.

### **Notifications:**

- Recipients will be notified via email by early August of the current calendar year.
- Recipients will receive communication via parent/guardian contact provided in the application due to data privacy guidelines for minors.
- Recipients do not need to be present at the Annual Conference to receive the award.

# SWENext Community Award

## Objective:

- This Award Program emphasizes the impact SWENexters can have in their communities to solve real-world problems. This award also stresses the interconnectedness of the SWE Community and gives awardees a chance to interact with SWE members, companies, colleges, and universities.
- There will be up to twenty-five posters recognized. One poster will be declared the first-place recipient.

## Eligibility:

- SWENexters who are entering Grades 9, 10, and 11 (in the fall of the next academic year).
- Previous recipients of the SWENext Community Award are not eligible to apply.

## Application Checklist:

The following information constitutes a complete nomination:

- A completed application submitted online: <https://app.smarterselect.com/programs/79233-Society-Of-Women-Engineers>
- A completed application form:
  - SWENext student information
    - Name
    - Email
    - SWENext membership
    - Grade in the upcoming fall
    - Name of High School in the upcoming fall
  - Parent/Legal Guardian information:
    - Name
    - Email
    - Cell phone number
    - Home phone number
    - Mailing address
  - Please upload a headshot photo of yourself with your application. Photos must be a JPEG file and labeled with your full name and award (Ex. JaneDoe\_FY22CommunityAward).
- Award submission
  - **Create a poster to address the following Awards Prompt: Implementing Sustainable Development in Your Community**
    - **Rationale:**
      - *The 2030 Agenda for Sustainable Development, adopted by all U.N Member States in 2015, adopted 17 Sustainable Development Goals (SDGs) to help improve education, reduce inequality, and spur economic growth – all while tackling climate change. Engineers are often consulted to determine how to address numerous climate/environmental issues dealing with construction, architecture, energy, recyclability, conservation of resources, and sustainability.*
    - **Prompt:**
      - *Imagine you were placed on a team of engineers with a project to implement these global goals in your hometown or local community. Choose ONE of the Sustainable Development Goals from the list below. The complete list can be found at <https://sdgs.un.org/goals>:*
        - *Industry, Innovation, & Infrastructure*
        - *Climate Action*
        - *Clean Water and Sanitation*
        - *Affordable and Clean Energy*
        - *Sustainable Cities and Communities*
        - *Responsible Consumption and Production*

- ***What solutions (such as policies, regulations, initiatives, innovations) could be put in place in your local community to create a cleaner and more environmentally friendly city?***
- *In your digital poster presentation:*
  - *Provide the prompt question*
  - *Provide background information on your chosen Sustainable Development Goal*
  - *Provide unique environmental challenges of your city or local community, including statistics, and sources*
  - *Provide 2-3 proposed solutions*
  - *Discuss any possible obstacles to solutions - legislative, social, economic, cultural*
  - *Offer 2-3 next steps to move your solutions forward*
- *Please note, if you previously submitted SWENext Community award submission in past years, please choose a different Sustainable Development Goal than your previous submissions.*

**Award Judging Guideline:**

Your poster should include:

- Your Name
- The Problem Statement
- Background on the Problem
  - Include:
    - Research
    - Personal observations and experience
- Potential Solutions
- Suggested Next Steps

# SWENext Global Innovator Award

## Objective:

- The SWENext Global Innovator Award recognizes the outstanding young people shaping the future of SWE by developing an engineering identity in themselves and others. Award recipients exemplify intellectual curiosity, enthusiasm, and leadership in the STEM community. These students demonstrate a commitment to bettering the lives of women in STEM, volunteer in outreach initiatives, and are pursuing a career in engineering. This is the ultimate award a SWENext can receive and is comparable to the Outstanding Collegiate Award.
- **All Global Innovator Award recipients will receive additional leadership opportunities provided by SWE HQ and the Student Programs Committee.**
- There will be up to six recipients. Up to ten additional recipients will receive an “Honorable Mention.”

## Eligibility:

- SWENexters who are entering their senior year of high school (Grade 12 in the fall of the next academic year).
- Applicants must be in the SWENext program for at least one year prior to applying.
- Applicants must identify as female.

## Application Checklist:

The following information constitutes a complete nomination:

- A completed application submitted online: <https://app.smarterselect.com/programs/79234-Society-Of-Women-Engineers>
- A completed application form:
  - SWENext student information
    - Name
    - SWENext membership
    - Email
    - Name of High School in the upcoming fall
  - Parent/Legal Guardian information:
    - Name
    - Email
    - Cell phone number
    - Home phone number
    - Mailing address
  - Leadership information:
    - How long have you been a SWENext Member?
    - Are you a member of a SWENext Club?
    - Are you or have you ever been a SWENext Club Officer or a leader of an engineering club/organization? If yes, please list your roles. If none, please write N/A.
    - Which field of engineering are you interested in? Select up to two options.
    - What, if any, previous SWENext awards have you won (Select all that apply)?
      - SWENext Global Innovator award
      - SWENext Community award
      - SWENext Clubs Inspiration award (formerly the Clubs Challenge Award)
      - SWENext Clubs Best Practice award
  - Please upload a headshot photo of yourself with your application. Photos must be a JPEG file and labeled with your full name and award (Ex. JaneDoe\_FY22GlobalInnovatorAward).
- Award submission
  - Essay 1 (Maximum 200 words):
    - Describe your involvement with SWENext. Have you participated in a SWENext Club, at a SWENext event, a talk, maybe a design challenge, or maybe an online webinar? What steps have you taken to become more involved in the SWE community?
  - Essay 2 (Maximum 200 words):

- How have you used engineering principles in your life? Some examples of engineering principles would include: describing how you have developed a technical skill, using the engineering design process, or tackling some sort of project using problem-solving skills.
- Essay 3 (Maximum 200 words):
  - How has your involvement in SWENext and your use of engineering principles in your life relate to the work you have done in your community? We want to know how your engineering ambitions translate to the service you do to improve the lives of those around you.
- Essay 4 (Maximum 200 words):
  - How are you a leader at your school or in your community? How do your leadership roles connect to your passion for engineering and STEM? We are looking for more than just the next best engineer. We want someone who demonstrates the ability to lead as well.
- Video:
  - We want to see the work you do in action. **Applicants need to emphasize SWE/SWENext participation in their videos.**
  - Create a video that is less than 3 minutes long. Note: a video longer than 3 minutes will DISQUALIFY your application.
  - **Helpful video resources:**
    - <https://www.powtoon.com/> (Create animated videos and presentations)
    - <http://igamemom.com/explain-everything-screencast-digital-storytellingpresentation/> (Design and video production app for tablets)
    - <http://tinytake.com> (Create videos on your computer screen and with your webcam)
    - Many public libraries have computer access and rentable filming equipment. Check your local public library for details.
    - Quality is not the ultimate deciding factor but please use the resources available to you to submit your best work.
  - **Your video submission should highlight:**
    - Information about you and your engineering field of interest
    - Your passion and excitement for engineering
    - Examples of how you are developing a STEM identity in yourself and other young women
    - Your involvement in SWENext, your community, and your leadership roles
    - Your future accomplishments/plans
    - Please upload a copy of the video to a file sharing service like Google Drive or DropBox and provide a shareable link below. Note: If uploading to Google Drive, make sure the sharing permissions are set to “viewable for anyone with a link.”

**Award Judging Guideline:**

Your essays should include examples of your involvement in SWE and SWENext, examples of using engineering principles, examples of your STEM-related community work, and examples of your STEM leadership.

Your video should include Information about you and your engineering field of interest, your passion and excitement for engineering, Examples of how you are developing a STEM identity in yourself and other young women, your involvement in SWENext, your community, and your leadership roles, and your future accomplishments/plans.

# SWENext Clubs Best Practices Award

## Objective:

- Recognize outstanding SWENext Clubs around the world and to provide further opportunity for students to be involved in the SWE Community by introducing them to the Annual Conference and awards. This award is to recognize SWENext Clubs that have worked to help their members explore their engineering interests and to obtain information on “best practices” that SWENext Clubs are implementing to share with and advance the SWENext Clubs program as a whole.
- One recipient will be selected for the SWENext Clubs Best Practices Award in the category of Engineering Engagement.

## Eligibility:

- Your SWENext Club must be a registered SWENext high school club (grades 9-12).
- Your SWENext Club Counselor must have an active SWE Membership.

## Application Checklist:

The following information constitutes a complete nomination:

- A completed application submitted online: <https://app.smarterselect.com/programs/79235-Society-Of-Women-Engineers>
- A completed application form:
  - SWENext Club Information
    - Club name
    - City and State
    - Founding year
    - Total number of Club Members (upcoming School Year)
    - Grade levels the club members will be in the Fall. (Students are required to be in High School in the fall of the upcoming academic year to apply for this award.)
  - Counselor Information
    - Name
    - SWE membership ID number
    - Email address
    - Phone number
    - Mailing Address
  - Student Point of Contact information
    - Name
    - Affiliation with Club/Club Officer Position
    - Email
    - Grade this Upcoming Fall
- Award submission
  - Please tell us a little bit about your SWENext club (Location, when it was founded, grade range, school/community organization affiliation, number of members, club mission or goals, etc.). [Max 100 words]
  - What engineering engagement event(s) has your club hosted over the last academic year, how were they delivered (i.e., in person, virtual, hybrid), how many students participated in your events, and how many volunteers helped run your event(s)? Some examples of engineering engagement events are hands-on STEM projects, panel discussions, company or college tours, science lectures by guest speakers, etc. [max 200 words]
  - Please detail any additional resources your club has created or challenges your club has hosted to promote engineering exploration within your club. Please explain how the resources or challenges have helped your members/community learn about, explore their interest in, or gain experience with STEM. [max 150 words]
  - [BONUS] Did you engage with SWE members, a SWE professional or a SWE collegiate section, or SWE Global Affiliate to help plan or run any of the events? If so, how did you engage with them and how many SWE members participated? [max 150 words]

**Award Judging Guidelines:**

Your short essay questions will be judged on how thoroughly each part of each question was answered, so please make sure to use specific examples (i.e., statistics from surveys, specific member successes due to your events, testimonials from club members, etc.) to directly explain how your events have helped members explore their engineering interests. Your essays will also be judged on how your club's passion for helping your members explore the field of engineering shines through your answers, and the overall quality of your efforts (e.g., creating a variety of events to help your club members explore engineering, specific examples to illustrate successes, like from post-event surveys or member anecdotes, etc.) You will receive additional points if you collaborated with Collegiate, Professional or Global Affiliate SWE members to host your outreach events.

# SWENext Clubs Inspiration Award

## Objective:

- The goal of this award is to recognize outstanding SWENext Clubs around the world who have made an impact in their local STEM community. Additionally, the goal is to have the students participating in this challenge practice their own curiosity through STEM-related events and/or activities.
- There will be one SWENext Club recipient.

## Eligibility:

- Your SWENext Club must be a registered SWENext high school club (grades 9-12)
- Your SWENext Club Counselor must have an active SWE Membership.

## Application Checklist:

The following information constitutes a complete nomination:

- A completed application submitted online: <https://app.smarterselect.com/programs/79240-Society-Of-Women-Engineers>
- A completed application form:
  - SWENext Club Information
    - Name
    - City and State
    - Club members need to be in high school in the fall. Please enter the total number of club members participating in the challenge (K-12).
    - Please enter each club member's first and last name who is participating in the challenge.
    - Please enter the grade level in the fall of each club member participating in the challenge.
    - **Has your SWENext club previously received a Club Award? Yes/No**
  - Counselor Information
    - Name
    - SWE Membership ID number
    - Email address
    - Phone number
    - Mailing Address
  - Student Point of Contact information
    - Name
    - Affiliation with Club/Club Officer Position
    - Email
    - Grade this Upcoming Fall
- Award submission
  - Video:
    - SWE is challenging SWENext Clubs to consider who or what has inspired them in their STEM journey and how they are paying it forward by inspiring the future generation of engineers in their community.
    - **Create a 5-7 minute video that:**
      - **Explains how your SWENext Club was inspired:** This should provide an overview of your SWENext Club (location, number of members, grade levels, etc.), how it was founded, and detail your club's source of inspiration.
      - **Explains how your club is paying it forward in the community:** This part of the video should detail what specific STEM events or programs your club has hosted (such as outreach, mentorship, etc.) for your school or community and specific examples regarding how your community has benefitted from these events or programs.
    - **In addition to your video, help inspire other clubs:** Create a resource/aid (graphic, separate (1- 3 minute) video tutorial or step by step guide, etc.) that details how you created and organized your most successful STEM event or program in an effort to inspire other clubs!

- [BONUS]: Bonus points will be awarded for clubs that worked with the Professional, Collegiate, or Global Affiliate SWE members to inspire others. Explain how your club connected virtually or physically and share how this experience helped prepare you to form more connections in the future.
  - Helpful video creation resources:
    - <https://www.powtoon.com/> (Create animated videos and presentations)
    - <http://igamemom.com/explain-everything-screencast-digital-storytellingpresentation/> (Design and video production app for tablets)
    - <http://tinytake.com> (Create videos on your computer screen and with your webcam)
    - Many public libraries have computer access and rentable filming equipment. Check your local public library for details.
    - Quality is not the ultimate deciding factor but please use the resources available to you to submit your best work.
  - Please upload a copy of the video to a file sharing service like Google Drive or Dropbox, or YouTube. Ensure that your sharing settings on the video are "Public" or "Anyone can view."

**Award Judging Guidelines:**

**Your video must be within 5-7 minutes. If your video is not within this time frame, your submission will be disqualified.** Your video submission will be judged on how thorough your club details each aspect of the above prompts (for the video and resource/aid), the quality of your efforts to inspire others within your community, the effectiveness of your aid to assist other clubs in executing similar events, the overall passion and enthusiasm conveyed in your video, and the video quality itself. You will receive bonus points if you collaborate with Collegiate, Professional or Global Affiliate SWE members to address any of the aspects of the prompt.

