



# AWE – Assessing Women and Men in Engineering

## Assessment Tools for STEM Outreach (and more)

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# What is AWE?

- Assessing Women and Men in Engineering
- NSF- funded project to build assessment capacity among STEM outreach practitioners
  - Exportable instruments for typical STEM recruitment / retention activities
  - Assessment capacity building tools *not just for engineering but also for science, and computer science*
  - Set of assessment “how-tos”



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# AWE Partnerships

- AWE is part of NGCP
  - To build capacity for assessment and evaluation with NGCP participants
- AWE has partnered with SWE – Society of Women
- Partnerships = enhanced suite of pre-college outreach assessment tools for science, engineering and computer science



# AWE Pre- College STEM Outreach Assessment Tools

- Versions for middle school & high school-aged participants
- Applicable for activities in informal or school based settings
- Versions for assessing at different times
  - Pre
  - Immediate Post, and
  - 3 to 6-Mo. Post

# AWE Pre- College STEM Outreach Assessment Tools

- To Access Surveys:
  - Complete free registration at [aweonline.org](http://aweonline.org)
  - Download the appropriate hard copy version (e.g. science, engineering)
  - Or export online survey templates
- To Customize Surveys:
  - Add your own activity name, and appropriate additional questions, etc.

# AWE Pre- College STEM Outreach Assessment Tools

## To Prepare for Use:

- Decide when you wish to collect data (e.g. pre, immediate post, 3 – 6 mo post)
- Determine if your objectives match chosen survey
- For additional objectives (hands on learning, sense of community, selecting an academic institution), choose pre-prepared optional question modules to add to your survey
  - Can be added anywhere in survey
  - Use question module guide to determine which modules are appropriate

# SWE-AWE Pre- College STEM Outreach Assessment Tools

*Also available–*

- Outreach Activity Observation Form
  - Semi-structured observation of an activity can provide formative feedback on what's working and what isn't
  - Great for working with volunteers
- Implementation Guide for all of above
  - Instructions for use of all instruments

# Use AWE Instruments and Tools ..

- *For any* STEM outreach activities ...
- NGCP-related folks – we hope you'll use them for your outreach .. But AWE instruments are for anyone who has a STEM related assessment need!
- Get started and find out more at [AWEOnline.org](http://AWEOnline.org)!