

SWE AWE Product List
Assessing Women & Men in Engineering
Developing Exportable Tools for Success
NSF HRD 0120642, 0607081, 0010224, 0734072

AWE Survey Instruments and support materials

Diversity Activity Surveys (paper and online versions available)

- Longitudinal Assessment of Engineering Self Efficacy (LAESE)
- Undergraduate Mentor Instruments
- Undergraduate Mentee Instruments
- Undergraduate PDQ (Pretty Darn Quick) Leadership Instrument
- Undergraduate PDQ (Pretty Darn Quick) Participant Instrument

Retention Surveys (paper and online versions available)

- Students Persisting in Engineering Instrument
- Students Leaving Engineering Instrument

Classroom Environment Surveys (AWISE) (online; available Fall 2008)

- Faculty Surveys
 - Faculty Background Instrument
 - Faculty Inventory of Classroom Activities
- Student Surveys
 - Student Background Instrument
 - Classroom Activities & Outcomes Survey Team Instrument
 - Classroom Activities & Outcomes Survey Non-Team Instrument

Pre-College Recruiting Surveys (revision in collaboration with National Girls Collaborative Project), available in three versions, Engineering, Science, and Computer Science; online available Fall 2008).

- College Choice Survey (developed in conjunction with University of Texas-Austin)
- High School Self-Efficacy (developed in conjunction with Female Recruits Explore Engineering (FREE) Project)
- Surveys for Middle School-Aged Participants
 - Pre Survey
 - Immediate Post Survey
 - 3-6 month Post Survey
- Surveys for High School Aged-Participants
 - Pre Survey
 - Immediate Post Survey
 - 3-6 month Post Survey
- Optional Question Modules
 - Rating Scales for Sense of Community
 - Hands-on Activities/Projects
 - Presentations (lecture-style)
 - Presenter and Activity/Presentation Combined
 - Rating Scales for Recruiting
 - Rating Scales for Branding and Recruiting
- Additional Pre-College Tools
 - Outreach Activity Observer Form
 - Pre-College Survey Implementer Guide

Research Access Tools

AWE-CASEE Literature Overviews and Information Sheets

AWE and the National Academy of Engineering Center for Advancement of Scholarship on Engineering Education (CASEE) are combining products to create Literature Overview Suites. Proposals for revision of existing suites or new ones are welcome. See: <http://www.engr.psu.edu/awe2/misc/LitOverviewsProposals.aspx>.

AWE Literature Overviews

Attribution Theory
Career Development Theory for Women in Engineering
Cooperative Learning
Family Influence on Engineering Students
Gender Differences in Math Performance (under revision)
Gender Differences in Science Achievement
Mentoring and Women in Engineering (under revision)
Psychological Sense of Community for Women in Engineering (under revision)
Self-Authorship (in development)
Self-Efficacy and Women in Engineering (under revision)
Visual Spatial Skills

NAE CASEE Information Sheets

The Use of Questions in the Classroom
Stereotype Threat: Causes, Effects, & Remedies (under revision)
Motivational Factors: Self-Efficacy and Academic Self-Confidence (under revision)
Changing Problem-Solving in Engineering Courses

Data Management and Collection Tools

Excel data collection templates for pre-college outreach (under revision)
ADAPT (AWE Database for Activity and Participant Tracking) (Beta version)

AWE Assessment Workshops & Webcasts

Upcoming Workshops

"SWE AWE: Train the Trainer" (working title), SWE National Conference, 2008.

Past Workshops & Podcasts

"Using the Data: How to Plan, Develop and Use Program Evaluation to Build a Better Program", National Girls Collaborative, Webcast, 2008
"Make Assessment Work for You", Society of Women Engineers 2007 National Conference
"Good Assessment = Success: Developing Assessment Based Outreach", National Girls Collaborative, Web and Pod cast, 2007
"Assessment as a Capacity Building Tool to Develop Systematically Planned and Implemented Activities" WEPAN 2004, 2005, 2006 National Conferences
"AWE Tools for Assessing Engineering Outreach Projects for Girls" SWE National Conference, 2005
"Outreach Assessment", ASEE Annual Meeting, 2005
"AWE Assessment Tools", Center for Research on Teaching and Learning (CIRTL), Webcast, 2004
"Assessment and Evaluation as Tools for Systemic Change". NSF Division of Human Resource Development Joint Annual Meeting (JAM), 2004

For more about SWE AWE visit www.AWEonline.org.