

Common Measure: Science, Middle and High School

Instrument: Mathematics and Science Attitude Survey

Scale: Interest in Science

Source: <http://oerl.sri.com/instruments/up/studsurv/instr129.html>

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Year: 1997

Target Audience(s): High School and College girls/women

Language other than English available: No information available

Type: Attitude

Data collected: Quantitative

Data collection format: Self-report – Pre/post

Reading Level: Flesch-Kincaid Grade level: 5.0

Existence of test/technical manuals, user guides, supplemental materials: None

Level of training necessary for administration/scoring/interpretation: None necessary for administration. Basic understanding of statistical methods for scoring

Widespread Use/Professional Endorsements: Listed as an evaluation measure for underrepresented populations on OERL, the Online Evaluation Resource Library website; developed as part of an NSF (Program for Women and Girls (HRD)) funded project.

Cost of Use: No cost is associated with the use of this survey, *but developer must be contacted.*

Description:

- Instrument developed to measure female high school and college students' attitudes toward mathematics and science.
- 12 closed-ended, 4-pt Likert scale questions.

Psychometrics:

Information on reliability and validity are provided below. If information on a particular psychometric was not found, it is indicated as “no information provided.” It should be noted that this is not necessarily an indication of a lack of reliability or validity within a particular scale/instrument, but rather a lack of rigorous testing, for various reasons, by the developers or other researchers.

Reliability: *A correlation of at least .80 is suggested for at least one type of reliability as evidence; however, standards range from .5 to .9 depending on the intended use and context for the instrument.*

Internal Consistency: No information provided

Inter-rater reliability: No information provided

Test-Retest: No information provided

Validity: *The extent to which a measure captures what it is intended to measure.*

Content/Face Validity: No information provided

Criterion Validity: No information provided

Construct Validity: No information provided

References:

OERL, the Online Evaluation Resource Library

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