Engagement in Science

**Instrument Name:** Classroom Instructional Strategies and Science Career Interest for Adolescent Students

**Scale/Subscale Name:** Engagement in science courses/education/activities


**Developers:** J.D. House, jhouse@niu.edu

**Year:** 2009

**Target Audience(s):** Middle School Students (Grade 8)

**Language other than English available:** Korean

**Type:** Attitude, Behavior

**Data collected:** Quantitative

**Data collection format:** Self report; 12 items, 4-pt Likert scale

**Reading Level:** Flesch-Kincaid Grade level: 4.2


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

**Widespread Use/Professional Endorsements:** None

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

**Description:**
- 12 items used to measure relationship between classroom instructional activities and student interests in a science career.
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: