

## Common Measure: Technology, 3<sup>rd</sup> to 5<sup>th</sup> grade

**Instrument:** Young Children's Computer Inventory

**Scale:** Replicates the Computer Enjoyment and Computer Importance scales. *It is important to note, these scales have been revised in order to improve their appropriateness for the 3<sup>rd</sup> to 5<sup>th</sup> grade target population. For further details on modifications please contact the CYFERnet Evaluation Team.*

**Retrieved from:** <http://www.iittl.unt.edu/>

**Developers:** Knezek G.A., Christensen, R., and Miyashita, K.T.

**Year:** 1995

**Target Audience(s):** Grades 1<sup>st</sup> to 6<sup>th</sup>

**Language other than English available:** Yes, Japanese and Spanish

**Type:** Attitude

**Data collected:** Quantitative

**Data collection format:** Self report - Pre-post

**Reading Level:** Flesch-Kincaid Grade level of revised instrument is 5.1

**Existence of test/technical manuals, user guides, supplemental materials:** Technical manual includes latest version of instrument, reliability, administration procedures, scoring and references. Technical Manual: <https://iittl.unt.edu> For use contact [lt-iittl@unt.edu](mailto:lt-iittl@unt.edu)

**Level of training necessary for administration/scoring/interpretation:** Moderate

**Widespread Use/Professional Endorsements:** The YCCI has been used in a variety of research articles. Reports using the YCCI include; Knezek, G. A., Miyashita, K.T., Lai, M., Sakamoto, T., Southworth, J., & Sakamoto, A. (1994). Studies on Children and Computers: The 1993-1994 Fulbright Series. Denton, TX: Texas Center for Educational Technology.

**Cost of Use:** No cost is associated with the use of this instrument.

**Description:** The Young Children's Computer Inventory (is a 51-item, 4 point Likert instrument for measuring primary school children's attitudes on seven subscales. The two scales, with 9-items used as the Technology Common Measure for 3<sup>rd</sup> to 5<sup>th</sup> grade are:

- Computer Importance - perceived value or significance of knowing how to use computers
- Computer Enjoyment - amount of pleasure derived from using computers

### **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:** In the original scale, Computer enjoyment received and alpha score of .72 and Computer Importance received and alpha score of .77

**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

▪