

SOI GIFTED TESTING: FORM L

KINDERGARTEN - GRADE 3

Background

The test is based on the Structure of Intellect, by Dr. JP Guilford. This test was developed by Dr. Mary Meeker and Dr. Robert Meeker.

Raw Scores

This SOI test has 11 different subtests, each of which is described below. All subtests are scored independently. To be useful, the 11 raw scores are converted to standard scores, compared to one another, and added together (when appropriate).

Comparing Scores

To convert raw scores to standard scores, we use norms. These norms have been derived from the range of results achieved from past experience and the performance of others who have taken the test. The results are converted and compared with those norms to obtain standard scores.

Stanines

The standard scores we use are called stanines; they are called this because they yield a range of nine standard scores. You will notice that every bar chart has nine incremental divisions.

Stanine Graph: stanines 1-3: below average | stanines 4-6: average | stanines 7-9: superior to gifted

CFU: Comprehension of Figural Units

Academic Skill: visual closure

Curricular Area: reading readiness

Strength if well-developed: excellent comprehension of visual details

Consequences if not well-developed: will not see word completely; susceptible to reversals

CFC: Comprehension of Figural Classes

Academic Skill: visual conceptualization

Curricular Area: reading readiness

Strength if well-developed: good foundation for conceptualization

Consequences if not well-developed: difficulty with classification; will be inhibited in science

CSS: Comprehension of Symbolic Systems

Academic Skill: notational progressions

Curricular Area: arithmetic/mathematics

Strength if well-developed: good command of arithmetic facts

Consequences if not well-developed: poor arithmetic foundation; weak on arithmetic "facts"

CMU: Comprehension of seMantic Units

Academic Skill: vocabulary

Curricular Area: reading & language arts

Strength if well-developed: understands meanings and nuances

Consequences if not well-developed: will have "word holes" in sentences

CMR: Comprehension of seMantic Relations

Academic Skill: verbal relations (analogies)

Curricular Area: reading & language arts

Strength if well-developed: able to see verbal associations and interconnections

Consequences if not well-developed: difficulty with the "discovery" method; poor at analogies

CMS: Comprehension of seMantic Systems

Academic Skill: extended verbal comprehension

Curricular Area: reading & language arts

Strength if well-developed: able to understand complicated verbal information

Consequences if not well-developed: inability to "track" long or involved sentences and instructions

MFU: Memory for Figural Units

Academic Skill: memory for visual details

Curricular Area: reading & language art

Strength if well-developed: able to remember incidental information

Consequences if not well-developed: weak in memory for details

MSUa: Memory for Symbolic Units (auditory)

Academic Skill: auditory attending

Curricular Area: arithmetic

Strength if well-developed: good with auditory details; memory for symbols

Consequences if not well-developed: may have auditory discrimination problems

EFU: Evaluation of Figural Units

Academic Skill: visual discrimination

Curricular Area: reading readiness/spelling

Strength if well-developed: able to make visual judgments

Consequences if not well-developed: may mistake letters ("b" for "d") or omit small words in sentences

NFU: Problem Solving of Figural Units

Academic Skill: psycho-motor coordination

Curricular Area: writing

Strength if well-developed: neat and careful with details

Consequences if not well-developed: may be slow at work requiring coordination of hand and eye

NST: Problem Solving for Symbolic Transformations

Academic Skill: speed of word recognition

Curricular Area: reading

Strength if well-developed: able to scan data rapidly; excellent for programming

Consequences if not well-developed: will lose place while reading; skipping words or lines