

## Insight School List Report

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An example of the School List Report is shown in the last pages of this article. The School List Report provides the *Insight* index scores for same-grade students in a school. The name of the school is shown in the top right corner of the report. The left column of the report shows the test date, test level, grade and name of school district. In the sample report, students are ordered by last name, but they may also be ordered according to their *Insight* General Ability Index, from highest scoring student to lowest scoring student.

The four index scores provided in the School List Report are the *Insight* Ability Score, the *Insight* General Ability Index, the *Insight* Thinking Index and the *Insight* Memory and Processing Index:

- The *Insight* Ability Score (IAS) is a measure of overall cognitive ability. It is based on a weighted average of the student's scores for all seven *Insight* subtests. If the student did not write all seven subtests, then the IAS cannot be calculated and "NA" will appear in the report where the student would have received a score.
- The *Insight* General Ability Index (gl) is a measure of intentional processing with a restricted range of abilities. It is based on the average of three *Insight* subtest scores: those for Crystallized Knowledge (Gc), Visual Processing (Gv) and Fluid Reasoning (Gf). The gl is sometimes used to identify students who are gifted.
- The *Insight* Thinking Index (ITI) is a measure of intentional cognitive processing when information in short-term memory cannot be processed automatically. It is based on the average of the scores for Visual Processing (Gv), Fluid Reasoning (Gf), Long-Term Memory Retrieval (Glr) and Auditory Processing (Ga).
- The *Insight* Memory and Processing Index (IMPI) is a measure of cognitive efficiency for automatic cognitive functioning involving speed and short-term memory. It represents the capacity of the cognitive system to process information automatically. It is the average of the scores for Short-Term Memory (Gsm) and Processing Speed (Gs).

For each index, three different types of scores are reported. The first is the Standard Score. A student's Standard Score is estimated by comparing the student's index score to the scores attained by a large sample of students from across Canada who were the same age when they wrote *Insight*. For example, if a student was 8 years and 3 months when (s)he wrote *Insight*, his/her *Insight* Ability Score would be compared to the IAS scores attained by the national norm group of students who were also 8 years and 3 months when they wrote *Insight*. Since students in a school are different ages when they write *Insight*, the age-relevant norms to which they are compared will also be different. Therefore, in the sample report, Albert Wilson may be compared to a different norm group from that for Alex Potters.

In the Canadian student population, about 68% of students at a particular age fall in the Standard Score range 85 to 115, so a Standard Score in this range would be considered average. In the student population, about 96% of students at a particular age fall in the Standard Score range 70 to 130. Only about 2% of the population attain Standard Scores lower than 70, and only about 2% of the population attain Standard Scores higher than 130. The value of *Insight* is in the potential to efficiently identify students who are in the bottom 2% and top 2% of the distribution for each of the four index scores.

The other two types of score that appears in the School List Report are the National Percentile Range and the National Stanine Range. A National Percentile is a ranking of the student's score relative to the scores for the national norm group. For example, when a student attains a National Percentile of 98, it means that his/her score is higher than the scores of 98% of the national norm group. A National Stanine is a reduction of the 99 possible National Percentiles to nine ordered categories, ranging from 1–9. The following table shows how National Percentiles are mapped onto National Stanines. As can be seen in the table, National Stanine 1 represents the bottom 4% of the distribution and National Stanine 9 represents the top 4% of the distribution.

Percentile	1-4	5-10	11-22	23-40	41-59	60-77	78-89	90-95	96–99
Stanine	1	2	3	4	5	6	7	8	9

A student's score, however, is always estimated with some degree of uncertainty. The magnitude of this uncertainty can be estimated and used to estimate the upper and lower bounds of an interval within which we can be 95% confident the student's "true score" actually lies. For example, when the National Percentile Range for a student's score is 1–5, then we can be 95% sure that the student's "true" National Percentile lies somewhere between 1 and 5. Similarly, the National Stanine Range 1–2 indicates that we can be 95% sure that the student's "true" National Stanine is either 1 or 2. Students whose National Stanine ranges fall on stanine 1 or stanine 9 may require further assessment.

Test Date: Oct 01, 2013  
 Test Level: 2  
 Grade: 4  
 District: WILLOW DSB

(sorted high to low according to gl)

*Insight* measures seven important cognitive abilities that have been associated with learning in school. It also provides screening to recommend students who may require further assessment. It is important to consider the student's day to day functioning in school in conjunction with *Insight* scores when making decisions about their strengths and needs.

For more information about this report, go to [www.canadiantestcentre.com/INSIGHT](http://www.canadiantestcentre.com/INSIGHT)

		Insight Ability Score	Insight General Ability Index	Insight Thinking Index	Insight Memory/Processing Index
<b>GORIS DAPHNE</b>	Standard Score	135	135	135	111
	National Stanine Range	8-9	7-9	9	4-9
	National Percentile Range	93-99+	88-99+	97-99+	32-97
	Exact National Percentile	99	99	99	77
<b>JOSEPH BRITTNEY</b>	Standard Score	131	135	128	114
	National Stanine Range	7-9	8-9	7-9	4-9
	National Percentile Range	87-99+	91-99+	81-99+	34-99
	Exact National Percentile	98	99	97	82
<b>WIESE MOSE</b>	Standard Score	130	135	135	100
	National Stanine Range	7-9	8-9	8-9	3-7
	National Percentile Range	86-99+	91-99+	95-99+	14-86
	Exact National Percentile	98	99	99	50
<b>NICOLETTI BARNEY</b>	Standard Score	131	132	135	119
	National Stanine Range	7-9	7-9	8-9	5-9
	National Percentile Range	87-99+	81-99+	90-99+	47-99+
	Exact National Percentile	98	98	99	90
<b>JARAMILLO ASHA</b>	Standard Score	116	120	109	111
	National Stanine Range	5-9	5-9	4-8	4-9
	National Percentile Range	58-97	55-99+	37-95	37-97
	Exact National Percentile	86	91	73	77
<b>MIN EARTHA</b>	Standard Score	113	120	115	100
	National Stanine Range	5-9	5-9	5-9	3-7
	National Percentile Range	50-96	50-99+	47-98	14-86
	Exact National Percentile	81	91	84	50
<b>CELETANO DAWNE</b>	Standard Score	106	119	108	106
	National Stanine Range	4-7	5-9	4-8	4-8
	National Percentile Range	30-88	50-99+	37-93	23-93
	Exact National Percentile	66	90	70	66
<b>WISNER ETHAN</b>	Standard Score	113	113	111	99
	National Stanine Range	5-8	4-9	4-8	3-7
	National Percentile Range	47-96	34-98	39-96	13-86
	Exact National Percentile	81	81	77	47

**simulated data**

INV = invalidated  
 PM = pattern marking  
 NA = not attempted