TRINITY CATHOLIC SCHOOL

PARENT'S GUIDE
Terra Nova 3rd Edition
2018-2019

InView and TerraNova 3 | What do they measure?

Terra Nova

The (achievement) scores indicate how well the child is doing in relation to students across the country. Includes subtests:

- Reading
- Language
- Mathematics
- Science
- Social Studies

Plus Tests

Measures important foundation skills in:

- Word Analysis
- Vocabulary
- Language Mechanics,
- Spelling
- Mathematics Computation

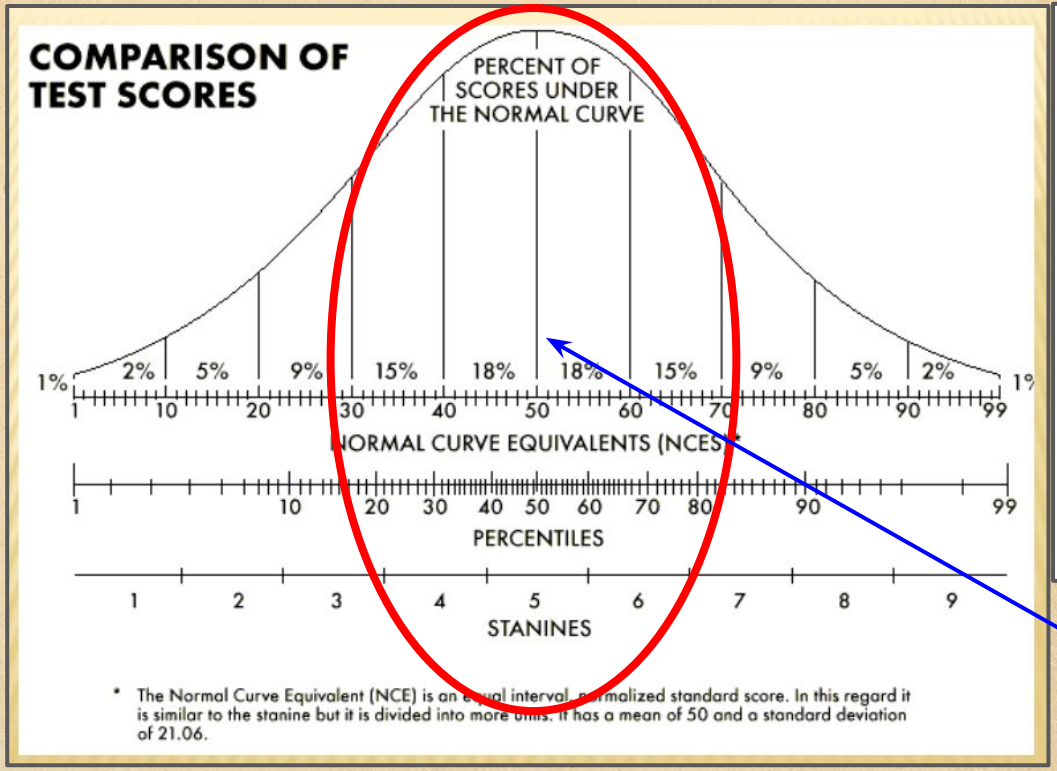
InView is a norm-referenced assessment which measures the skills and abilities most directly related to academic success. A reliable Cognitive Skills Index (CSI) is derived from five sub-tests that assess the following cognitive areas:

- Verbal Reasoning—Words
- Verbal Reasoning—Context
- Sequences
- Analogies
- Quantitative Reasoning

Reporting

Back to Statistics 101

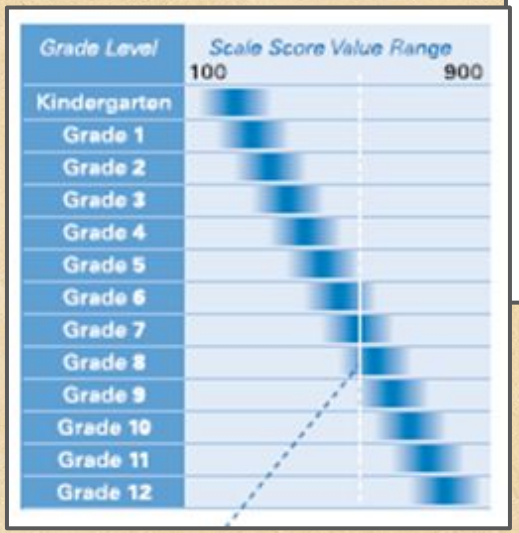
Comparisons | Percentiles and Stanines



- Represents the percentage of **students** in the national norm group whose score was at or below a student's score
- A student whose NP is 65 performed better than 65% of those students who took the test when it was normed
- Important Reminders:
  - NP scores range from 1 to 99
  - The national norm of NP is 50; i.e., 50% of students scored at or below a given student's score
  - NP scores are **NOT** percent correct scores

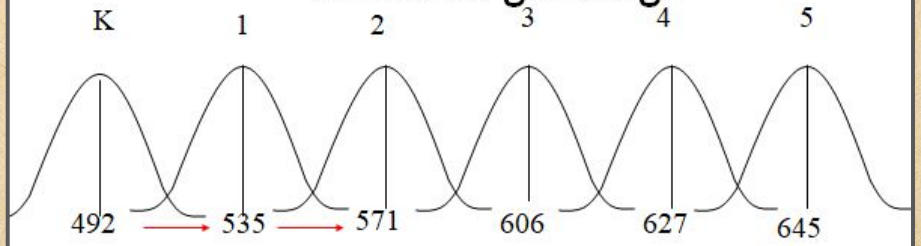
The majority of the students, nationwide, are in the 30th through 70th percentile

Growth Measurement | Scale Score



- Designed to measure student achievement from elementary school through high school
- Expected to increase with grade level
- TerraNova content forms a developmental continuum through which students move as they develop new capabilities

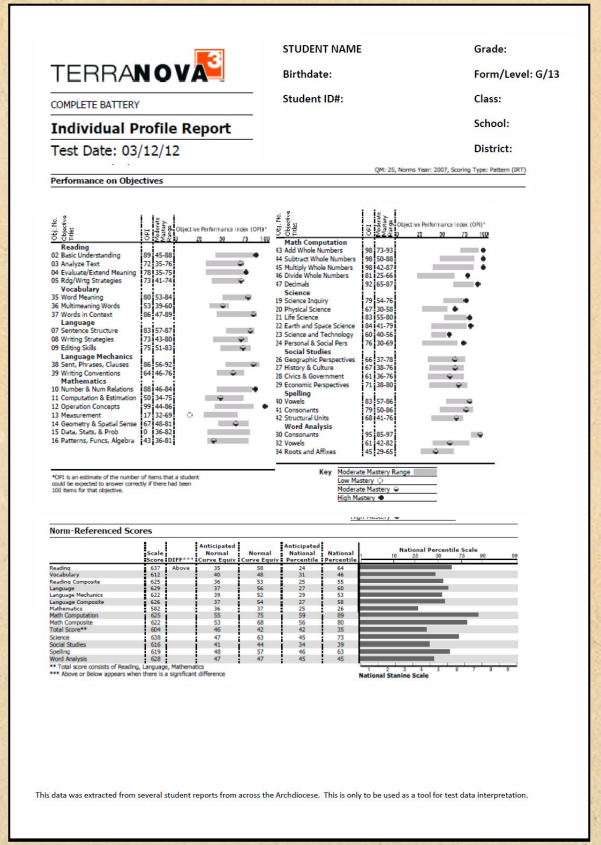
➢ If a student is in the 50th National Percentile each year – he is still growing!



Reporting

Unwrapping the Individual Profile Report

Individual Profile Report



TERRANOVA

COMPLETE BATTERY

Individual Profile Report

Test Date: 03/12/12

STUDENT NAME

Birthdate:

Student ID#:

Grade:

Form/Level: G/13

Class:

School:

District:

QM: 25, Norms Year: 2007, Scoring Type: Pattern (IRT)

Performance on Objectives

	CRS No. of Objectives Tested	Low Mastery	Moderate Mastery	High Mastery	Objective Performance Index (OPI)* 0 25 50 75 100
Reading					
02 Basic Understanding	9	45-88			
03 Analyze Text	7	35-76			
04 Evaluate/Extend Meaning	7	78-35			
05 Rdg/Wrtg Strategies	7	41-74			
Vocabulary					
35 Word Meaning	8	53-84			
36 Multimeaning Words	5	39-60			
37 Words in Context	8	47-89			
Language					
07 Sentence Structure	8	57-87			
08 Writing Strategies	7	43-80			
09 Editing Skills	7	51-83			
Language Mechanics					
38 Sent, Phrases, Clauses	8	56-92			
39 Writing Conventions	6	46-76			
Mathematics					
10 Number & Num Relations	8	46-84			
11 Computation & Estimation	5	34-75			
12 Operation Concepts	9	44-86			
13 Measurement	1	32-69			
14 Geometry & Spatial Sense	6	48-81			
15 Data, Stats, & Prob	1	36-82			
16 Patterns, Funcs, Algebra	4	36-81			
Math Computation					
43 Add Whole Numbers	9	73-93			
44 Subtract Whole Numbers	9	50-88			
45 Multiply Whole Numbers	9	42-87			
46 Divide Whole Numbers	8	25-66			
47 Decimals	9	65-87			
Science					
19 Science Inquiry	7	54-76			
20 Physical Science	6	38-68			
21 Life Science	8	55-80			
22 Earth and Space Science	8	41-79			
23 Science and Technology	6	40-56			
24 Personal & Social Pers	7	30-69			
Social Studies					
26 Geographic Perspectives	6	37-78			
27 History & Culture	6	38-76			
28 Civics & Government	6	36-76			
29 Economic Perspectives	7	38-80			
Spelling					
40 Vowels	8	57-86			
41 Consonants	7	50-86			
42 Structural Units	6	41-76			
Word Analysis					
30 Consonants	9	85-97			
32 Vowels	6	42-82			
34 Roots and Affixes	4	29-65			

*OPI is an estimate of the number of items that a student could be expected to answer correctly if there had been 100 items for that objective.

Key: Moderate Mastery Range; Low Mastery; Moderate Mastery; High Mastery

Norm-Referenced Scores

	Scale Score	DIFF***	Anticipated Normal Curve Equiv	Normal Curve Equiv	Anticipated National Percentile	National Percentile
Reading	637	Above	35	50	24	64
Vocabulary	632		40	48	31	46
Reading Composite	625		36	53	25	55
Language	629		37	56	27	60
Language Mechanics	622		39	52	29	53
Language Composite	626		37	54	27	58
Mathematics	582		36	37	25	26
Math Computation	625		55	75	59	89
Math Composite	622		53	68	56	80
Total Score**	604		46	62	42	35
Science	638		47	63	45	73
Social Studies	616		41	44	34	39
Spelling	619		48	57	46	63
Word Analysis	628		47	47	45	45

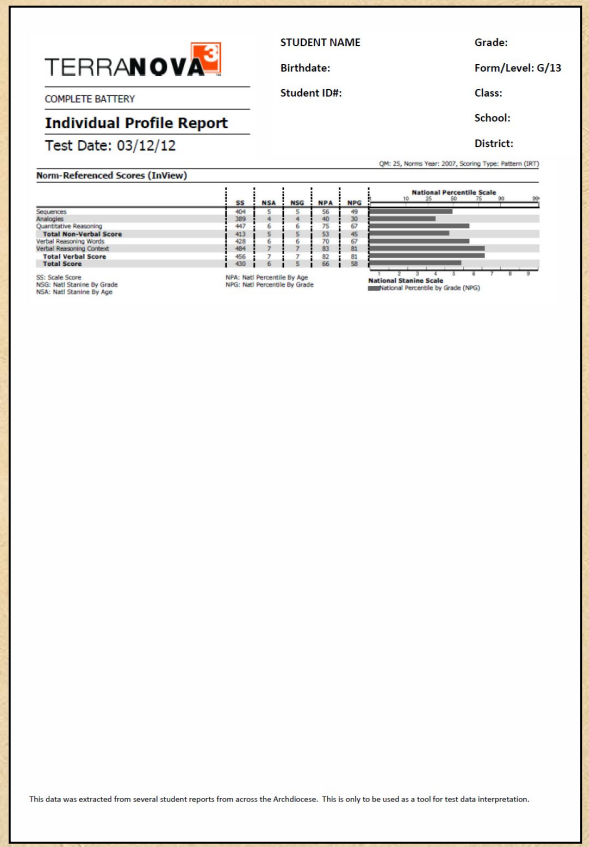
National Percentile Scale: 10 20 30 40 50 60 70 80 90

National Stanine Scale: 1 2 3 4 5 6 7 8 9

** Total score consists of Reading, Language, Mathematics

*** Above or Below appears when there is a significant difference

This data was extracted from several student reports from across the Archdiocese. This is only to be used as a tool for test data interpretation.



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Individual Profile Report

Test Date: 03/12/12

STUDENT NAME

Birthdate:

Student ID#:

Grade:

Form/Level: G/13

Class:

School:

District:

QM: 25, Norms Year: 2007, Scoring Type: Pattern (IRT)

Norm-Referenced Scores (InView)

	SS	NSA	NSG	NPA	NPG	National Percentile Scale 10 20 30 40 50 60 70 80 90
Sequences	404	5	5	50	49	
Analogies	389	4	4	40	30	
Quantitative Reasoning	447	6	6	75	67	
Total Non-Verbal Score	413	5	5	53	45	
Verbal Reasoning Words	428	6	6	70	62	
Verbal Reasoning Context	464	7	7	82	81	
Total Verbal Score	456	7	7	82	81	
Total Score	439	6	5	66	58	

SS: Scale Score
NSG: Natl Stanine By Grade
NGA: Natl Stanine By Age

NPA: Natl Percentile By Age
NPG: Natl Percentile By Grade

National Stanine Scale: 1 2 3 4 5 6 7 8 9

National Percentile by Grade (NPG)

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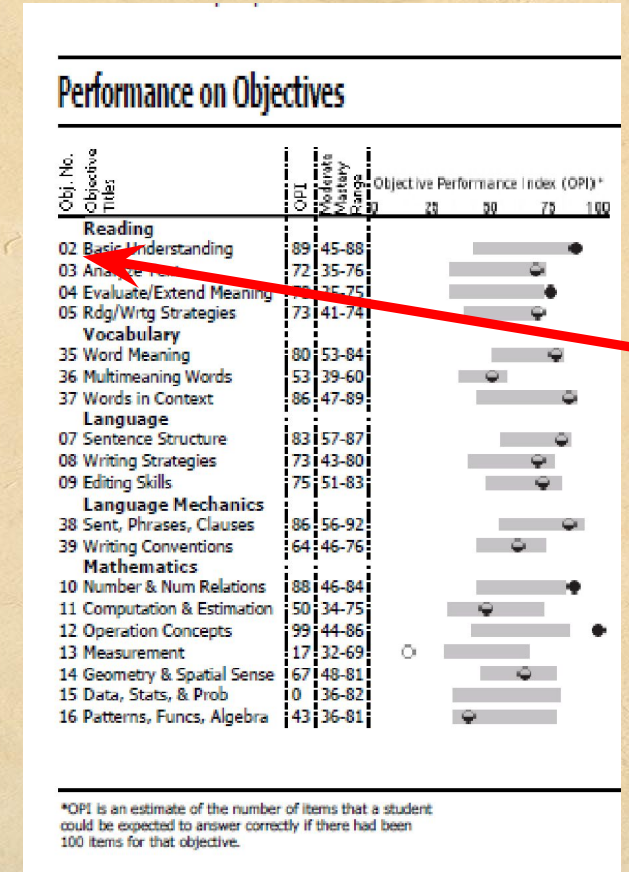
Performance on Objectives



Performance on Objectives

Obj. No.	Objective Titles	OPI	Moderate Mastery Range	Objective Performance Index (OPI)* 0 25 50 75 100
	Reading			
02	Basic Understanding	89	45-88	
03	Analyze Text	72	35-76	
04	Evaluate/Extend Meaning	75	35-75	
05	Rdg/Wrtg Strategies	73	41-74	
	Vocabulary			
35	Word Meaning	80	53-84	
36	Multimeaning Words	53	39-60	
37	Words in Context	86	47-89	
	Language			
07	Sentence Structure	83	57-87	
08	Writing Strategies	73	43-80	
09	Editing Skills	75	51-83	
	Language Mechanics			
38	Sent, Phrases, Clauses	86	56-92	
39	Writing Conventions	64	46-76	
	Mathematics			
10	Number & Num Relations	88	46-84	
11	Computation & Estimation	50	34-75	
12	Operation Concepts	99	44-86	
13	Measurement	17	32-69	
14	Geometry & Spatial Sense	67	48-81	
15	Data, Stats, & Prob	0	36-82	
16	Patterns, Funcs, Algebra	43	36-81	

*OPI is an estimate of the number of items that a student could be expected to answer correctly if there had been 100 items for that objective.

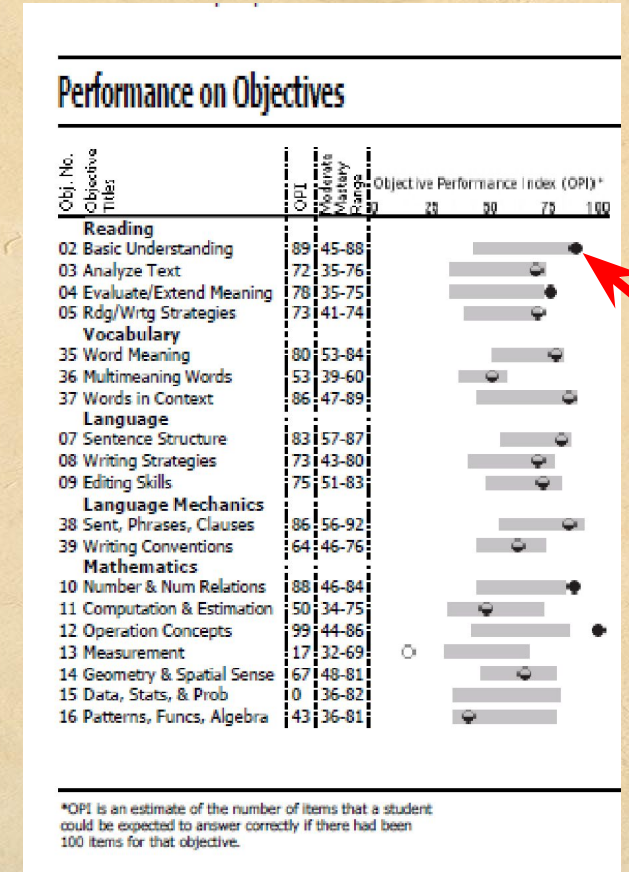
Obj. No. = Objective Number
The McGraw Hill CTB testing company has numbered the learning objectives tested on the test. The **Objective Numbers** are standard across all reports at this grade level.

Next to the Objective Number is the **Objective Title**. This helps pinpoint exactly which objective is being identified by the Obj. No.
In this report, Obj. No. 02 in Reading corresponds to Basic Understanding.

OPI = Objective Performance Index - an estimate of the number of items this student would be expected to answer correctly if there had been 100 items for this objective.

Objective Mastery Range – The range of **OPI** values from Low Mastery to High Mastery. In this case, the Objective Mastery Range is from 45-88 OPI on Reading Objective 02 , Basic Understanding. This range will be the same for all students at this grade level for this test.

Performance on Objectives



Not only does the testing company provide the numerical data , they also provide a graphical representation of the Objective Performance Index as a shaded area located to the right of the stated Objective Mastery Range.

If you look at this student's performance on **Reading Obj. No. 02**, you will note that there is a full circle to the far right of the Mastery Range indicating that this student has mastered the objective.

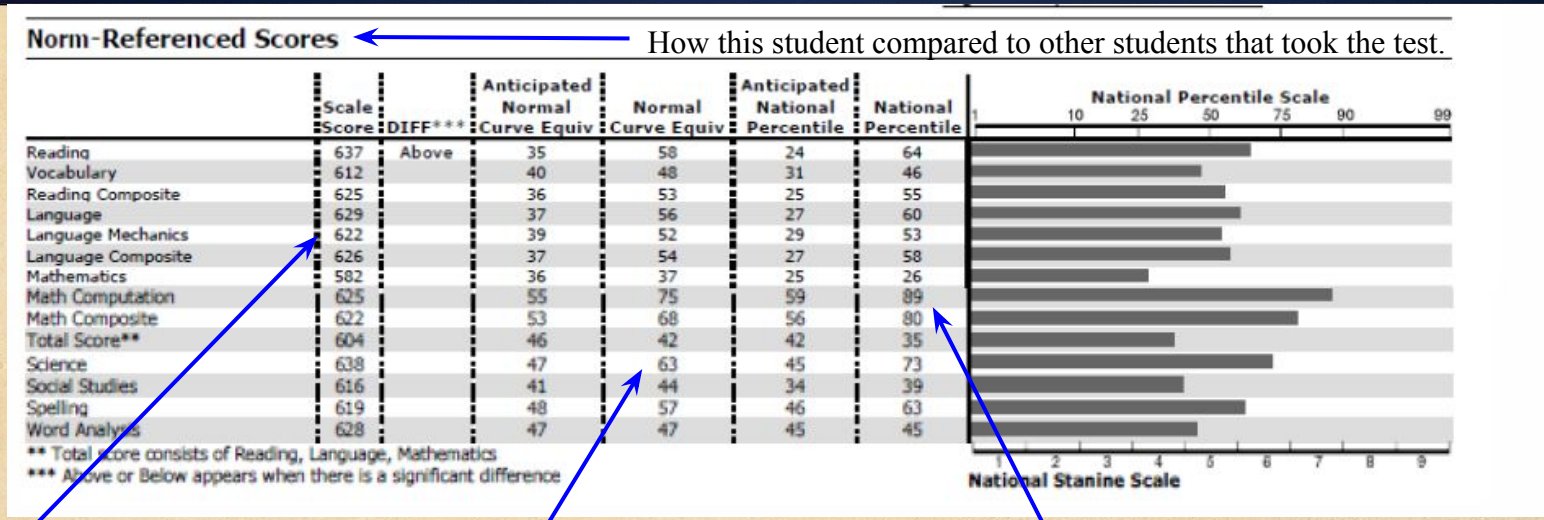
Looking further down the report we see a half circle on **Language Obj. No. 07**, **Sentence Structure**, indicating moderate mastery.

On **Mathematics Obj. No. 13, Measurement**, the student has Low Mastery, indicated by the open circle.

This data gives parents an idea of student **strengths and weaknesses at the objective level**. A student may want to prioritize those objectives that still need work.

With the student at the left, Measurement would be one area to work on at home and at school.

Norm-Referenced Scores



Norm-Referenced Scores ← How this student compared to other students that took the test.

	Scale Score	DIFF***	Anticipated Normal Curve Equiv	Normal Curve Equiv	Anticipated National Percentile	National Percentile
Reading	637	Above	35	58	24	64
Vocabulary	612		40	48	31	46
Reading Composite	625		36	53	25	55
Language	629		37	56	27	60
Language Mechanics	622		39	52	29	53
Language Composite	626		37	54	27	58
Mathematics	582		36	37	25	26
Math Computation	625		55	75	59	89
Math Composite	622		53	68	56	80
Total Score**	604		46	42	42	35
Science	638		47	63	45	73
Social Studies	616		41	44	34	39
Spelling	619		48	57	46	63
Word Analysis	628		47	47	45	45

** Total score consists of Reading, Language, Mathematics
*** Above or Below appears when there is a significant difference

National Percentile Scale: 1, 10, 25, 50, 75, 90, 99
National Stanine Scale: 1, 2, 3, 4, 5, 6, 7, 8, 9

Scale Score: a standard score that indicates performance on this test. Scores range from 0 to 999. Tests are scaled separately and cannot be compared across tested areas. Scale Scores are expected to increase with each grade level

Normal Curve Equivalent: The mean, mode and median for this test is 50. NCEs can be compared from year to year or from test subject (Reading) to test subject (Mathematics.) Values are related to the normal or bell curve. Values are evenly spaced between 0 and 100.

National Percentile: A value on a scale that indicates the percent of a distribution that is equal to or below it. For example in Spelling this student received a 63%ile meaning 63% of all students who took the test scored at or below this student. Percentiles cannot be compared year to year or test subject to test subject. Values are not evenly spaced between 0 and 100.

Norm-Referenced Scores

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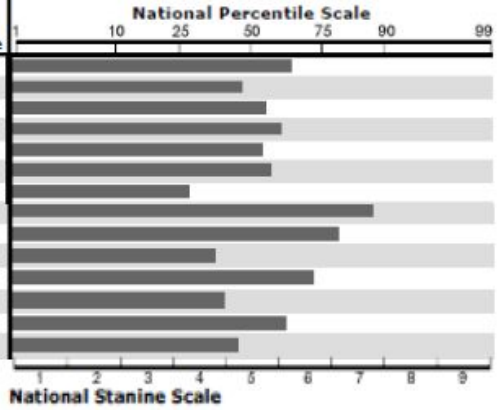

Anticipated scores are determined based on the results of the InView test, coupled with a student's age and grade level, Anticipated scores show what individual students can be expected to achieve. Since it is an average, anticipated scores somewhat higher or lower are still within the acceptable range.

Difference: If the student's Normal Curve Equivalent Score (NCE) is 7 or more units higher than the Anticipated Normal Curve Equivalent Score the student will score "Above". If the NCE is 7 units less than the ANCE then the student will score "Below."

For the student above, the difference was significantly higher than expected so she received "Above " in the difference column.

Based on the information above, this student is best in Mathematics Computation.

InView | Norm-Referenced Scores

QM: 25, Norms Year: 2007, Scoring Type: Pattern (IRT)

Norm-Referenced Scores (InView)

	SS	NSA	NSG	NPA	NPG
Sequences	404	5	5	56	49
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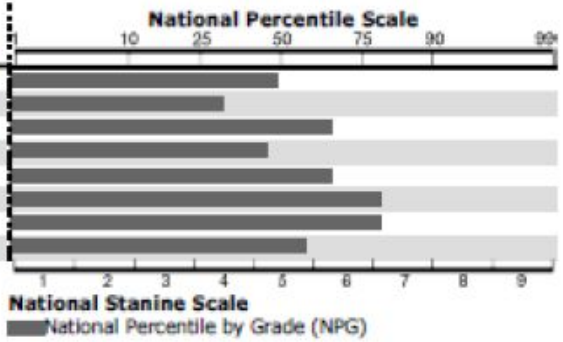
Total Score	430	6	5	66	58



SS: Scale Score
NSG: Natl Stanine By Grade
NSA: Natl Stanine By Age

NPA: Natl Percentile By Age
NPG: Natl Percentile By Grade

The ***InView*** portion of the test provides data based on the chronological age of the student. InView provides an accurate and reliable measurement of deductive, inductive, and quantitative reasoning abilities, all of which are crucial to academic achievement.

There are five tests: **Sequences, Analogies, Quantitative Reasoning, Verbal Reasoning-Words, Verbal Reasoning – Context.**

- Sequences, Analogies, and Quantitative Reasoning are combined to yield a **Total Non-Verbal Score**.
- Verbal Reasoning-Words and Verbal Reasoning – Content are combined to yield a **Total Verbal Score**.
- All five tests are combined to create a **Total Score.**

InView | Norm-Referenced Scores

QM: 25, Norms Year: 2007, Scoring Type: Pattern (IRT)

Norm-Referenced Scores (InView)

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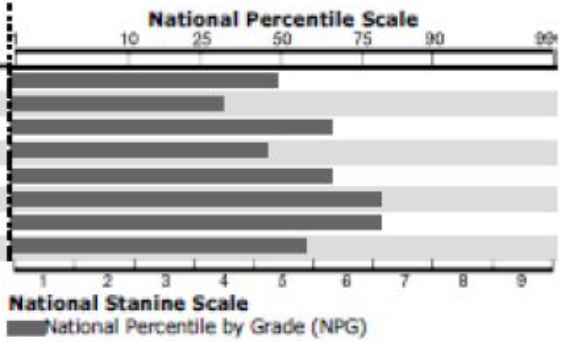

SS: Scale Score
NSG: Natl Stanine By Grade
NSA: Natl Stanine By Age

NPA: Natl Percentile By Age
NPG: Natl Percentile By Grade

SS (scale scores) range from 0 to 999. InView subtests are "scaled" separately, meaning that the scale scores for one subtest cannot be compared with the scale scores of another. Scale Scores are expected to increase with each grade level.

NSA (stanine by age) and **NSG (**stanine by grade) range from 1-9 and represent your child's performance compared to a national sample of children in the same grade and of the same age.

NPA (percentile by age) and **NPG** (percentile by grade) range from 1-99 and represent your child's performance compared to a national sample of children in the same grade and of the same age.

TMI

What do I do with this information?

Action Plan | One piece of information

Take a few minutes to review the scores you have for your child in light of this information.

Make notes of any questions you may have.

Remember this is one piece of information, not the complete picture.

Based on the scores, determine your child's academic strengths and weaknesses.

Is this consistent with other information you have about your child – earlier test data, report card data, STAR Reports, etc.?

Partner with your child's teacher to support your child to improve in areas of weakness and continues to succeed in areas of strength

Support your child at home by providing time and resources to practice academic skills.

Questions??? **Contact your child's teacher, Mrs. Kynoch or Mrs. Bechtol.**

We are happy to help!