

2012 Indicators Report

Training Packet: How to Calculate the 2013 Accountability Performance Indexes

Performance Index 2: Student Progress

The purpose of Index 2 is to provide a measure of actual student growth independent of overall achievement levels for race/ethnicity student groups, students with disabilities served by special education, and English language learners.

Important: School districts will receive data on individual student results of the STAAR Progress Measure in early fall 2013. A summary of these results will be reported for the first time during the state ratings release in August 2013. A sample summary report of STAAR Progress results is provided to demonstrate how Index 2 is calculated.

- Subjects: Reading and Mathematics; Writing for all available grades
- Ten Student Groups: All Students, ELL, special education, and the seven race/ethnicity student groups of African American, American Indian, Asian, Hispanic, Pacific Islander, White, and Two or More Races
- Minimum size criteria:
 - All Students ≥ 10
 - Race/ethnicity, English language learner and special education student groups ≥ 25
- Summary Reports:

The STAAR Progress Measure summary reports that will be provided in August 2013 with the state ratings release will include the following percentages:

 - Percent Met or Exceeded Expectation, and
 - Percent Exceeded Expectation
- Methodology: The calculation of the index score for Index 2 is a two step process.
 1. Each subject contributes points for All Students and each student group that met minimum size criteria. For each student group, the percent of students at the specified student growth level on the assessment is multiplied by the weight for that growth level:
 - One point for each percent of students at the Met or Exceeded growth expectations level
 - One additional point for each percent of students at the Exceeded growth expectations level.
 2. Combine all subjects and points for a final index score.
- 2013 Target for Index 2 will be set at or about the 5th percentile of campus performance and will be applied to both campuses and districts (a target at or about the 5th percentile of Alternative Education campuses performance be applied to both AECs and charter operators).

The following steps describe how to calculate an Index 2 index score.

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Calculation Steps:

1. When available, obtain your district or campus Index 2 Data Table.

	All Students	African American	Hispanic	White	American Indian	Asian	Pacific Islander	Two or More Races	Special Ed	ELL
Student Progress										
Reading										
Percent of Tests										
% Did Not Meet Expectation	35%	20%	25%	27%	0%	0%	0%	30%	35%	25%
% Met or Exceeded Expectation	65%	80%	75%	72%	0%	0%	0%	72%	65%	75%
% Exceeded Expectation	20%	25%	15%	27%	0%	0%	0%	17%	5%	20%
Number of Tests										
# Did Not Meet Expectation	326	13	207	3	0	0	0	2	26	205
# Met or Exceeded Expectation	605	51	621	8	0	0	0	4	49	614
# Exceeded Expectation	186	16	124	3	0	0	0	1	4	164
Total Tests	931	64	828	11	0	0	0	6	75	819
Mathematics										
Percent of Tests										
% Did Not Meet Expectation	35%	19%	25%	29%	0%	0%	0%	29%	35%	25%
% Met or Exceeded Expectation	65%	80%	75%	72%	0%	0%	0%	71%	65%	75%
% Exceeded Expectation	20%	25%	15%	29%	0%	0%	0%	14%	5%	20%
Number of Tests										
# Did Not Meet Expectation	327	13	208	4	0	0	0	2	27	205
# Met or Exceeded Expectation	608	54	624	10	0	0	0	5	51	615
# Exceeded Expectation	187	17	125	4	0	0	0	1	4	164
Total Tests	935	67	832	14	0	0	0	7	78	820
Writing										
Percent of Tests										
% Did Not Meet Expectation	35%	20%	25%	30%	0%	0%	0%	30%	35%	25%
% Met or Exceeded Expectation	65%	80%	75%	70%	0%	0%	0%	70%	65%	75%
% Exceeded Expectation	20%	25%	15%	25%	0%	0%	0%	15%	5%	20%
Number of Tests										
# Did Not Meet Expectation	115	12	67	1	0	0	0	1	9	64
# Met or Exceeded Expectation	213	48	201	2	0	0	0	1	16	191
# Exceeded Expectation	66	15	40	1	0	0	0	0	1	51
Total Tests	328	60	268	3	0	0	0	2	25	255

2. For the Reading, Mathematics, and Writing subjects, determine the student groups that meet minimum size criteria.

	All Students	African American	Hispanic	White	American Indian	Asian	Pacific Islander	Two or More Races	Special Ed	ELL
Student Progress										
Reading										
Percent of Tests										
% Did Not Meet Expectation	35%	20%	25%	27%	0%	0%	0%	30%	35%	25%
% Met or Exceeded Expectation	65%	80%	75%	72%	0%	0%	0%	72%	65%	75%
% Exceeded Expectation	20%	25%	15%	27%	0%	0%	0%	17%	5%	20%
Number of Tests										
# Did Not Meet Expectation	326	13	207	3	0	0	0	2	26	205
# Met or Exceeded Expectation	605	51	621	8	0	0	0	4	49	614
# Exceeded Expectation	186	16	124	3	0	0	0	1	4	164
Total Tests	931	64	828	11	0	0	0	6	75	819

3. Use each eligible student groups' data to fill in the Index 2 Calculation Table.
(Example below is for Reading performance.)

Steps continue on next page.

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4. Fill in the data for the Number of Tests.

Student Progress	All Students	African American	Hispanic	White	Special Ed	ELL
Reading						
Percent of Tests						
% Did Not Meet Expectation	35%	20%	25%	27%	30%	25%
% Met or Exceeded Expectation	65%	80%	75%	72%	72%	75%
% Exceeded Expectation	20%	25%	15%	27%	17%	20%
Number of Tests						
# Did Not Meet Expectation	326	13	207	3	2	26
# Met or Exceeded Expectation	605	51	621	8	4	49
# Exceeded Expectation	186	16	124	3	1	4
Total Tests	931	64	828	11	6	75

Reading Progress	All Students	African Amer.	Hispanic	White	Special Ed	ELL	Total Points	Max. Points
STAAR Weighted Growth Rate for Reading								
Number of Tests	931	64	828		75	819		
# Did Not Meet Expectation	326	13	207		26	205		
# Met or Exceeded Expectation	605	51	621		49	614		
# Exceeded Expectation	186	16	124		4	164		
Percent of Tests								
% Met or Exceeded Expectation								
% Exceeded Expectation								
Reading Weighted Growth Rate								

Steps continue on next page.

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- Fill in the data for Percent of Tests that Met or Exceeded Expectation and Percent of Tests that Exceeded Expectation.

Student Progress	All Students	African American	Hispanic	White	More	Special Ed	ELL
Reading							
Percent of Tests							
% Did Not Meet Expectation	35%	20%	25%	27%	27%	35%	25%
% Met or Exceeded Expectation	65%	80%	75%	72%	72%	65%	75%
% Exceeded Expectation	20%	25%	15%	2%	2%	5%	20%
Number of Tests							
# Did Not Meet Expectation	326	13	207	3	2	26	205
# Met or Exceeded Expectation	605	51	621	8	4	49	614
# Exceeded Expectation	186	16	124	3	1	4	164
Total Tests	931	64	828	11	6	75	819

Reading Progress									
STAAR Weighted Growth Rate for Reading	All Students	African Amer.	Hispanic	White	More	Special Ed	ELL	Total Points	Max. Points
Number of Tests	931	64	828			75	819		
# Did Not Meet Expectation	326	13	207			26	205		
# Met or Exceeded Expectation	605	51	621			49	614		
# Exceeded Expectation	186	16	124			4	164		
Percent of Tests									
% Met or Exceeded Expectation	65%	80%	75%			65%	75%		
% Exceeded Expectation	20%	25%	15%			5%	20%		
Reading Weighted Growth Rate									

- Add the Percent Met or Exceeded Expectation value with the Percent Exceeded Expectation value; this is the Reading Weighted Growth Rate.

Reading Progress									
STAAR Weighted Growth Rate for Reading	All Students	African Amer.	Hispanic	White	More	Special Ed	ELL	Total Points	Max. Points
Number of Tests	931	64	828			75	819		
# Did Not Meet Expectation	326	13	207			26	205		
# Met or Exceeded Expectation	605	51	621			49	614		
# Exceeded Expectation	186	16	124			4	164		
Percent of Tests									
% Met or Exceeded Expectation	65%	80%	75%			65%	75%		
% Exceeded Expectation	20%	25%	15%			5%	20%		
Reading Weighted Growth Rate	85	105	90			70	95	445	1,000

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7. Sum the last row each row to determine the Total Points the each subject. (This example is for Reading).
8. Next, determine the Maximum Number of Points for the subject. Count the number of student groups that groups that meet the minimum size criteria size. Multiply the count of eligible student groups by 200. (This example is for Reading and has 5 eligible groups, multiplied by 200 for a maximum of 1,000 points).
9. Fill in the Index 2 Calculation Table for each subject (Reading, Mathematics, and Writing) and calculate the Weighted Growth Rate, Total Points, and Maximum Number of Points for each subject.
10. Determine the Overall Points for Index 2 by transferring each subject's Weighted Growth Rate, Total Points, and Maximum Number of Points to the Index 2 Overall Progress Calculation Table.

Reading Progress									
STAAR Weighted Growth Rate for Reading	All Students	African Amer.	Hispanic	More	Special Ed	ELL	Total Points	Max. Points	
Number of Tests	931	64	828		75	819			
# Did Not Meet Expectation	326	13	207		26	205			
# Met or Exceeded Expectation	605	51	621		49	614			
# Exceeded Expectation	186	16	124		4	164			
Percent of Tests									
% Met or Exceeded Expectation	65%	80%	75%		65%	75%			
% Exceeded Expectation	20%	25%	15%		5%	20%			
Reading Weighted Growth Rate	85	105	90		70	95	445	1,000	

Overall Progress												
Indicator	All Students	African Amer.	Hispanic	White	American Indian	Asian	Pacific Islander	Two or More Races	Special Ed	ELL	Total Points	Max. Points
STAAR Reading												
Weighted Growth Rate	85	105	90						70	95	445	1,000
STAAR Mathematics												
Weighted Growth Rate	85	105	90						70	95	445	1,000
STAAR Writing												
Weighted Growth Rate	85	95	90						70	95	435	1,000
Total											1,325	3,000
Index Score (total points divided by maximum points)												44

11. Calculate the Index Score. The Index Score is equal to the sum of the total points divided by the sum of the maximum points. In this example, the sum of the total points is 1,325, divided by the sum of the maximum points, 3,000, to arrive at the Index 2 Score of 44.