



The Academic Achievement indicator examines how ready students are for the next grade, course, or level based on state test scores in English Language Arts (ELA), mathematics, and science. This guide will go over three key elements: the score, the points and the letter grade. The score reflects the school's performance relative to a specific metric (e.g., % of students on track or proficient); whereas the points reflect the school's performance relative to the state-wide distribution.

The Scores

Academic Achievement Total or composite score represents the overall *percentage of points* earned and is found by taking the sum of the subject points and dividing it by the Points Max.

SCORE						100
						68.23
F	D	C	B	A		
Subject	Subject Score	Points	Points Max	Total Score	Letter Grade	
ELA	53.20	10.67	15			
Mathematics	60.06	10.72	15			
Science	49.75	2.49	5			
TOTAL		23.88	35	68.23	B	

$$\frac{23.8}{35} \times 100 = 68.23 \text{ (Total Score)}$$

Subject Scores for ELA, mathematics and science represent the average earned by FAY students across two equally weighted components: **Improvement Toward Expectations (ITE)** and **Performance Level Snapshot (PLS)**. The **ITE** component represents the average points earned by students that met or exceeded their priority student group scale score target. The **PLS** component represents the average points earned by students scoring at the basic, proficient, or advanced levels. Both components were calculated using this formula.

$$\frac{\text{Total Points for ITE or PLS (numerator)}}{\text{Total students + adjustment to reach 95% participation (denominator)}} \times 100 = \text{ITE or PLS Score}$$

The calculations for each measure are displayed in the Accountability Reporting application Single Sign-On by the numerator, denominator, score, weight, and weight score.

ELA ACHIEVEMENT						
Achievement	Numerator ¹	Denominator ²	Score	Weight	Wgt Score	Points
Improvement Toward Expectations	47.45	93	51.02	7.5	25.51	
Performance Level Snapshot	51	93	55.38	7.5	27.69	
TOTAL				15	53.20	10.67

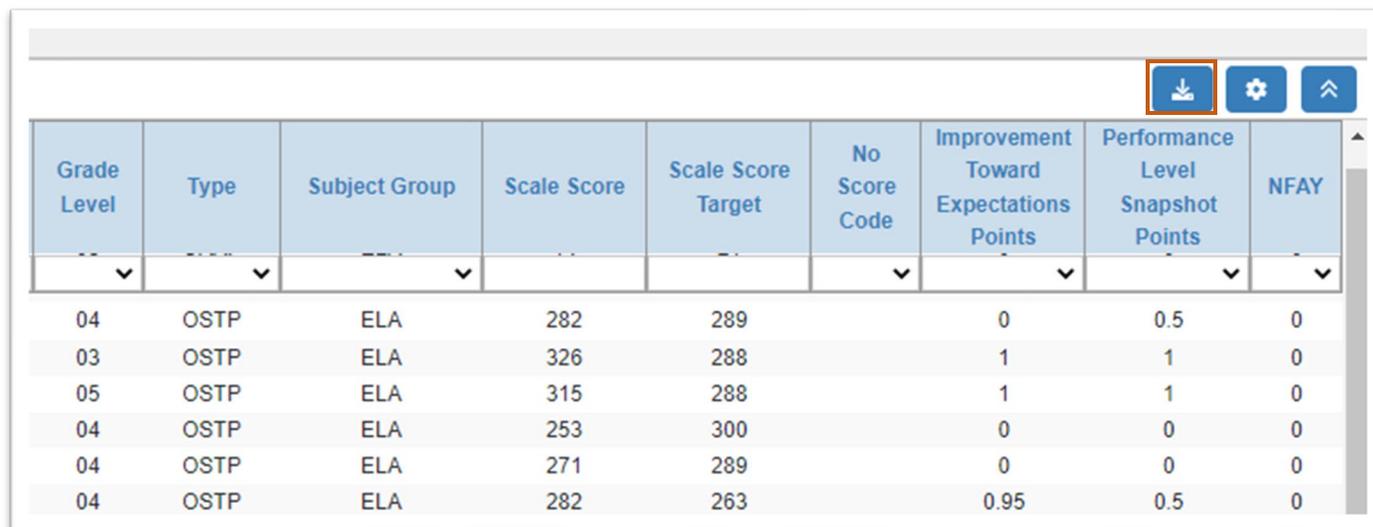
$$\frac{47.45 \text{ (Points earned by FAY students meeting or exceeding their targets)}}{93 \text{ (Total students + adjustment needed to reach 95% participation)}} \times 100 = 51.02 \text{ (ITE Score)}$$

$$\frac{51.02 \text{ (subject ITE Score)} \times 7.5 \text{ (weight)}}{15 \text{ (Total points possible)}} = 25.51 \text{ (ITE Weight Score)}$$

Note: Rounding the Wgt Score occurs at the end (Total).



Assessment records used to calculate your ITE and PLS Subject Achievement Scores were populated from the Assessment student data tab. These records were reviewed and validated during the Assessment Data Verification Review (DVR) window. These records can be retrieved by clicking on either the Numerator or the Denominator. The records contain the student's earned scale score, priority group scale score target, improvement toward expectation points, performance level snapshot points and NFAY status.



Grade Level	Type	Subject Group	Scale Score	Scale Score Target	No Score Code	Improvement Toward Expectations Points	Performance Level Snapshot Points	NFAY
04	OSTP	ELA	282	289		0	0.5	0
03	OSTP	ELA	326	288		1	1	0
05	OSTP	ELA	315	288		1	1	0
04	OSTP	ELA	253	300		0	0	0
04	OSTP	ELA	271	289		0	0	0
04	OSTP	ELA	282	263		0.95	0.5	0

Improvement Toward Expectations (ITE) Points are earned when a student's scale score is greater than or equal to their priority student group scale score target. The first student group to which a student belongs (i.e., the student's "priority student group") determines the student's target score.

- Priority groups in order: students with disabilities, economically disadvantaged students, English learners (EL), Black/African American, Hispanic, Native American/American Indian, Asian/Pacific Islander, two or more races, and White.

A student earns 0.95 points when they meet or exceed their target but score less than 300. A student earns 1.0 points when they score 300 or higher. Priority student group scale score targets used for the ITE measure can be found [here](#).

Performance Level Snapshot (PLS) Points are earned when a student's scale score falls within the Basic, Proficient, or Advanced performance level for their grade and subject. Levels of basic, proficient, and advanced and will earn 0.5, 1.0, and 1.25 points, respectively. Performance level cuts for each grade and subject can be found [here](#).



Academic Achievement Participation and Performance by Priority Student Group

Click on **Improvement Toward Expectations**. This will expand the table to show the number of students in each priority group that are meeting their targets and the total number of students that tested in each group.

ELA ACHIEVEMENT						
Achievement	Numerator ¹	Denominator ²	Score	Weight	Wgt Score	Points
▼ Improvement Toward Expectations						
Student with Disab	8.6	20				
Economically Disadv	13.85	34				
ELL	5	7				
Hispanic	0	1				
Native American	0	2				
Two Or More Races	4	6				
White	16	22				
Participation Adjustment ³	0	1				
Total	47	93	51	7.5	25.51	
Performance Level Snapshot	51	93	55.38	7.5	27.69	
TOTAL				15	53.20	8.65

Participation Adjustment

Click on the denominator in the **Participation Adjustment** row to open a display showing the participation rates for each priority group. Participation rates are calculated by dividing the number of FAY students that took the assessment by the total number of FAY students expected to test.

$$\frac{\text{Number of FAY Students with a valid test score}}{\text{Total FAY students expected to test}} \times 100 = \text{Participation Rate for Academic Achievement}$$



Per ESSA, if the **FAY** participation rate is less than the required 95% in the school or any priority group meeting the minimum n-size of 25, you will see a value in the denominator column in the **Participation Adjustment** row.

The participation adjustment calculation is displayed by the numerator, denominator, and participation percent. The numerator represents the number of FAY students that tested in each group and the denominator represents the number of FAY students expected to test.

The participation adjustment is **highlighted in yellow** and represents the number of FAY students needed to meet the 95% threshold per the Every Student Succeeds Act (ESSA).

Participation	Numerator	Denominator	Participation Pct	Adjustment	Min Size Met
Priority Student Groups					
Student with Disab	20	25	80.00	4	N
Economically Disadv	34	34	100.00	0	Y
ELL	7	7	100.00	0	N
Hispanic	1	1	100.00	0	N
Native American	2	2	100.00	0	N
Two Or More Races	6	6	100.00	0	N
White	22	22	100.00	0	N
Priority Student Total				0	
School	92	97	94.85	1	Y

School Adjustment

92 + 1 = 93 (number of students needed to test to meet 95%)

$$\frac{93 \text{ (adjusted school total)}}{97 \text{ (Total FAY students expected to test)}} \times 100 = 95.88 \text{ (participation rate after adjustment)}$$

Note: Participation rates are not rounded and must meet or exceed 95%

Clicking on the denominator opens a spreadsheet that displays student records for this calculation. Filter the NoScore Code column to DNA to identify the students that did not test.

Grade Level	Type	Subject Group	Scale Score	Scale Score Target	No Score Code	Improvement Toward Expectations Points	Performance Level Snapshot Points	NFAY
04	OSTP	ELA	-1		DNA			0
05	OSTP	ELA	-1		DNA			0
04	OSTP	FIA	-1		DNA			0



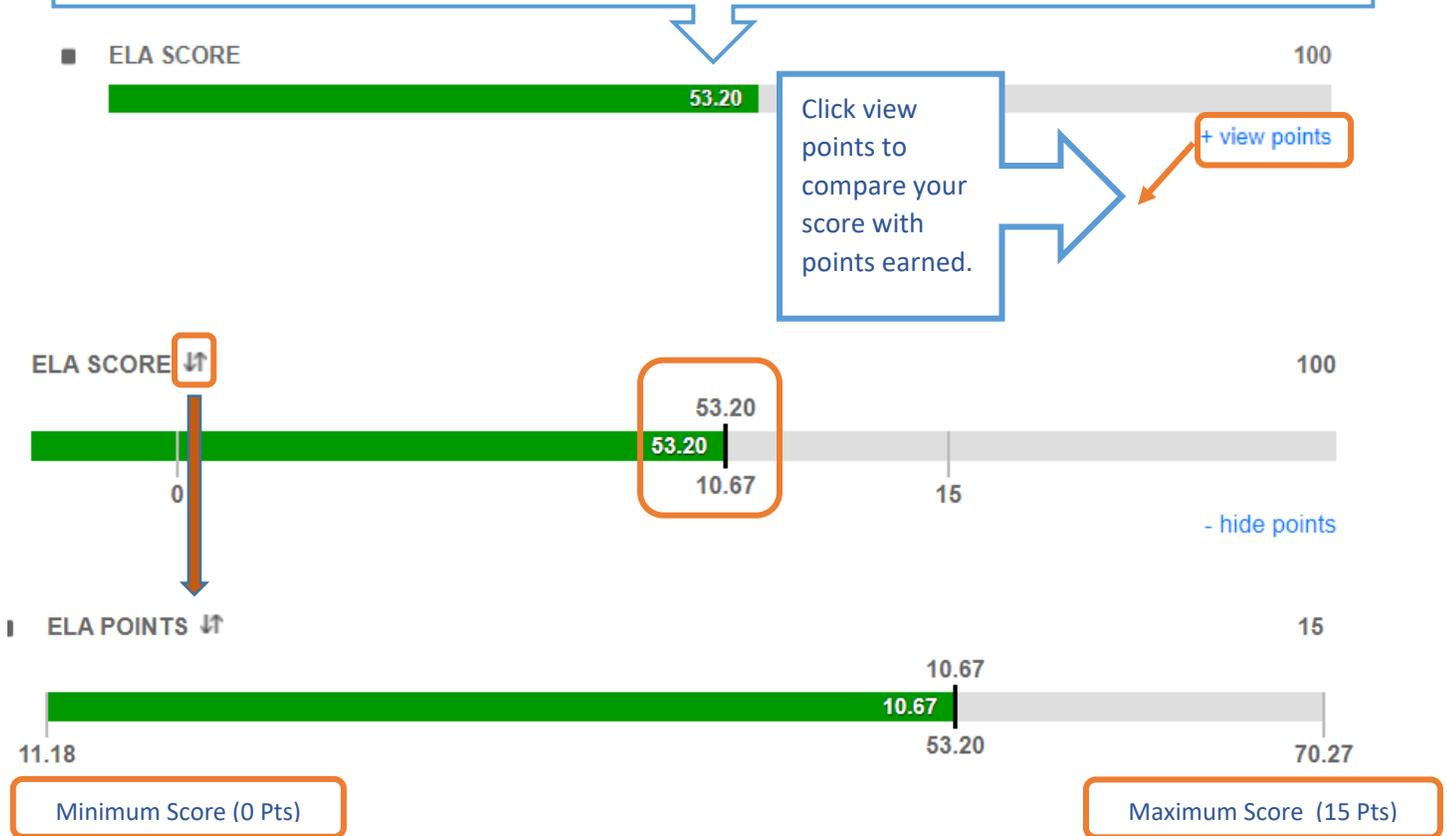
Click on **Improvement Toward Expectation** to close the display and return to the Subject Achievement score. Adjustments are added to the Denominator for each subject score.

ELA ACHIEVEMENT						
Achievement	Numerator ¹	Denominator ²	Score	Weight	Wgt Score	Points
▶ Improvement Toward Expectations	47.45	93	51.02	7.5	25.51	
Performance Level Snapshot	51	93	55.38	7.5	27.69	
TOTAL				15	53.20	10.67

The Points

The default display is the score for each subject as previously discussed.

Average points earned by students meeting or exceeding their priority scale score targets (ITE points) and scoring basic proficient or advanced (PLS points)





By clicking the arrows next to “**SCORE**”, the bar calibrates relative performance across the state. Relative performance reflects the range used to index scores for the SY 2021-2022 report card. The minimum value corresponds to approximately the second percentile and the maximum value corresponds to approximately the 98th percentile. The bar displays where the school’s score (bottom) and points (top) earned are indexed based on their performance. Maximum and minimum values used for this indicator are shown in the table below.

Academic Achievement Minimum and Maximum Scores by Subject and Model Type			
Model Type	Subject	Minimum Score (OPts)	Maximum Score
Elementary (up to grade 6)	ELA	≤ 11.18	≥ 70.27
	Math	≤ 9.83	≥ 80.09
	Science	≤ 15.34	≥ 84.49
Middle (up to grade 8)	ELA	≤ 13.37	≥ 66.52
	Math	≤ 7.03	≥ 71.23
	Science	≤ 11.45	≥ 80.10
High School	ELA	≤ 25.09	≥ 78.58
	Math	≤ 16.63	≥ 62.55
	Science	≤ 10.24	≥ 70.78

Academic Achievement Score to Points for each subject is calculated by examining the range between the minimum and maximum scores and comparing your score using these steps:

Step 1: Find the overall range of scores between the minimum and maximum scores by subtracting the minimum score from the maximum score for your model type.

70.27 (Max ELA Score for ES) – **11.18** (Min ELA Score for ES) = **59.09** Overall Range of Scores

Step 2: Find where your school’s subject score fits within the overall range

53.20 (Earned ELA Score) – **11.18** (Min ELA Score for HS) = **42.02** Proportion of range earned

Step 3: Divide the value found in step 2 by the total range found in Step 1

$$\frac{42.02 \text{ (Value from step 2)}}{59.09 \text{ (Total Range)}} = 71.11\% \text{ (percentage of points)}$$

Step 4: Multiply the percentage of Points earned by the Max Points Possible

$$71.11\% \text{ (% of points earned)} \times 15 \text{ (Max Points Possible)} = 10.65 \text{ earned points}$$

Repeat for each subject. Your grade is then determined by summing the points for each subject and comparing your total points to the appropriate rubric as discussed in the next section.



The Letter Grade

Letter grade rubrics vary by model. The tables below show the cuts based on POINTS earned, not the indicator score.

Elementary with Science (up to grade 6) Maximum Points Possible: 35			Elementary <u>without</u> Science (up to grade 6) Maximum Points Possible: 30		
Grade	Low	High	Grade	Low	High
A	31.84	35.00	A	27.69	30.00
B	22.60	31.83	B	21.30	27.68
C	14.44	22.59	C	11.99	21.29
D	2.50	14.43	D	3.15	11.98
F	0.00	2.49	F	0.00	3.14

Middle with Science (up to grade 8) Maximum Points Possible: 35			Middle <u>Without</u> Science (up to grade 8) Maximum Points Possible: 30		
Grade	Low	High	Grade	Low	High
A	30.84	25.00	A	26.43	30.00
B	20.81	30.83	B	17.83	26.42
C	12.95	20.80	C	11.10	17.82
D	3.40	12.94	D	2.92	11.09
F	0.00	3.39	F	0.00	2.91

High School with Science Maximum Points Possible: 45		
Grade	Low	High
A	39.37	45.00
B	28.60	39.36
C	19.07	28.59
D	6.98	19.06
F	0.00	6.97

For more information on this indicator or other indicators in the Oklahoma School Report Card, please visit: <https://sde.ok.gov/oklahoma-report-card-resources>