The Academic Achievement indicator reflects the improvement of each priority group in the same grade from one year to the next 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.

Subject	Subject Score	Points	Points Max	Total Score	Letter Grade
ELA	42.88%	5.35	15		
Mathematics	43.44%	5.07	15		
Science	65.29%	11.00	15		
TOTAL		**21.42**	**45**	**47.60%**	**C**

$$\frac{21.42}{45} \times 100 = 47.60 \% \text{ (Total Score)}$$

Subject Scores for ELA, mathematics and science represent the average points earned x 100 (performance score) and the percent of students that scored 300 or higher (proficiency score). Both the performance and proficiency scores are calculated using this formula.

$$\frac{\textit{Total Performance or Proficiency Points (numerator)}}{\textit{Total FAY students Tested plus adjustment to reach 95\% participation (denominator)}} \times 100 =$$

Performance or Proficiency Score

Scores are then weighted to account for the difference in values using this formula.

$$\frac{\textit{Performance or Proficiency Score} * (\textit{Weight})}{(\textit{Total Points Possible})} = \text{Performance or Proficiency Weighted Score}$$

In Single-Sign-On, these calculations are displayed by the numerator, denominator, score, weight, and weight score.

ELA ACHIEVEMENT

Achievement	Numerator[1]	Denominator[2]	Score	Weight	Wgt Score	Points
▸ Performance	102.70	236	43.52	14	40.62	
Proficiency	80.00	236	33.90	1	2.26	
TOTAL				15	42.88	5.35

$$\frac{102.70 \ (\textit{Points earned by FAY students meeting or exceeding their targets})}{236 \ (\textit{Total FAY Tested plus adjustment needed to reach 95\% participation})} \times 100 = 43.52 \text{ (Performance Score)}$$

$$\frac{43.52 \ (\textit{subject score}) \ x \ 14 \ (\textit{weight})}{15 \ (\textit{Total Points Possible})} = 40.62 \text{ (Performance Weight Score)}$$

ELA ACHIEVEMENT

Achievement	Numerator[1]	Denominator[2]	Score	Weight	Wgt Score	Points
▸ Performance	102.70	236	43.52	14	40.62	
Proficiency	80.00	236	33.90	1	2.26	
TOTAL				15	42.88	5.35

$$\frac{80 \ (number\ of\ students\ that\ scored\ proficient\ or\ advanced)}{236\ (Total\ FAY\ Tested\ plus\ adjustment\ needed\ to\ reach\ 95\%\ participation} \text{ x } 100 = 33.90 \text{ (Proficiency Score)}$$

$$\frac{33.90\ (subject\ proficiency\ score)\ x\ 1\ (weight)}{15\ (Total\ Points\ Possible)} = 2.26 \text{ (Proficiency Weight Score)}$$

Assessment records used to calculate your Subject Achievement Numerator or the Denominator. The records contain the student score, performance points, and proficiency points earned.

Scale Score	Scale Score Target	No Score Code	Performance Points	Proficiency Points
		▼	(All) ▼	▼
311	295		1	1
311	295		1	1
311	295		1	1
311	295		1	1
297	295		0.95	0

> Reminder: Performance Points are earned when the student's scale score meets or exceeds the Scale Score Target. Performance points range from 0.95 to 1.25. Academic Achievement Scale Score Targets used for the 2019 report card can be found here: https://sde.ok.gov/oklahoma-report-card-resources
>
> Proficiency points are earned when a student's scale score is at least 300.

Academic Achievement Performance by Priority Student Group

To gauge how well supports are working for students in different priority groups, click on *Performance*. 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
▾ Performance						
Student with Disab	6.70	23				
Economically Disadv	31.65	59				
ELL	1.00	1				
Black	8.10	24				
Hispanic	4.00	12				
Native American	0.00	9				
Asian	4.25	7				
Two or More Races	11.50	25				
White	35.50	74				
Participation Adjustment[3]	0	2				
Perf Total	102.70	236	43.52	14	40.62	
Proficiency	80.00	236	33.90	1	2.26	
TOTAL				15	42.88	5.35

Participation Adjustment

If the FAY participation rate is less than the required 95% in the school or any priority group meeting the minimum n size of 10, you will see a value in the denominator of the *Participation Adjustment line.*

Adjustments are determined by finding the difference between the 95% participation rate and the actual participation rate for each priority student group. To access the display showing the calculation for adjustments click on the denominator in the Participation Adjustment line. The participation adjustment calculation is displayed l by the *numerator, denominator,* and *participation percent and described on the* next page.

Participation	Numerator	Denominator	Participation Pct	Adjustment	Min Size Met
Priority Student Groups					
■ Student with Disab	23	26	88.46	2	Y
Economically Disadv	59	59	100.00	0	Y
ELL	1	1	100.00	0	N
Black	24	24	100.00	0	Y
Hispanic	12	12	100.00	0	Y
Native American	9	9	100.00	0	N
Asian	7	7	100.00	0	N
Two or More Races	25	25	100.00	0	Y
White	74	75	98.67	0	Y
Priority Student Total				2	
School	234	238	98.32	0	Y

$\frac{23}{26}$ x 100 = 88.46 (Participation Rate for Students with Disabilities)

26 x .095 = 24.7 (95% participation rate)-Minimum requirement
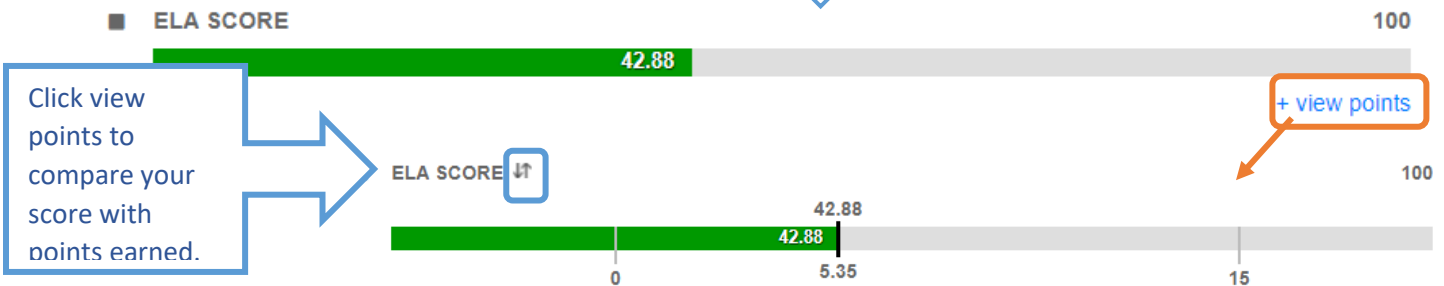
23 -25 = 2 (adjustment needed to reach the required 95% participation rate)

The final adjustment is either the sum of the adjustments needed for all priority student groups or the school, whichever is greater and is highlighted in yellow.

The Points

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

Average points earned X 100 plus the percentage of students that scored proficient or higher

■ ELA SCORE   100

42.88

Click view points to compare your score with points earned.

+ view points

ELA SCORE ⇵   100

42.88

42.88

0   5.35   15

By clicking the arrows next to "Score", the bar calibrates relative performance across the state.

■ ELA POINTS ⇵   15

5.35

5.35

21.51   42.88   81.37

Minimum Score (0 Pts)

Maximum Score (15 Pts)

Relative performance reflects the range used to index scores wherein 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.

Model Type	Subject	Minimum Score (0Pts)	Maximum Score
Elementary(up to grade 6)	ELA	≤ 14.43	≥ 81.63
	Math	≤ 8.88	≥ 88.06
	Science	≤ 10.69	≥ 89.38
Middle (up to grade 8)	ELA	≤ 18.35	≥ 71.61
	Math	≤ 12.30	≥ 76.80
	Science	≤ 15.47	≥ 84.44
High School	ELA	≤ 21.51	≥ 81.37
	Math	≤ 24.99	≥ 79.56
	Science	≤ 16.83	≥ 82.89

Academic Achievement Score to Points 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 by subtracting the minimum score from the maximum score

81.37 (Max ELA Score for HS) – 21.51 (Min ELA Score for HS) = 59.86 Overall Range of Scores

Step 2: Find where your score fits within the overall range

42.88 (Earned ELA Score) – 21.51 (Min ELA Score for HS) = 21.37 Proportion of range earned

Step 3: Divide the value found in step 2 by the total range found in Step 1 to find the percentage of points earned

$$\frac{21.37\ (Value\ from\ step\ 2)}{59.86\ (Total\ Range)} = 0.36\ x\ 100 = 36\%\ (percentage\ of\ points)$$

Step 4: Multiply the % of Points earned by the Total Points Possible

0.36 (*% of points earned*) X 15 (*Max Points Possible*) = 5.35 points

You 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 cut scores based on POINTS earned, not the indicator score.

Elementary with Science (up to grade 6) Maximum Points Possible: 35			Elementary without Science (up to grade 6) Maximum Points Possible: 30		
Grade	Lowest Score	Highest Score	Grade	Lowest Score	Highest Score
A	30.86	35.00	A	29.06	30.00
B	21.08	30.85	B	21.57	29.05
C	13.20	21.07	C	14.10	21.56
D	1.77	13.19	D	6.09	14.09
F	0.00	1.76	F	0.00	6.08
Middle with Science (up to grade 8) Maximum Points Possible: 35			Middle Without Science (up to grade 8) Maximum Points Possible: 30		
Grade	Lowest Score	Highest Score	Grade	Lowest Score	Highest Score
A	30.74	35.00	A	26.35	30.00
B	21.54	30.73	B	18.47	26.34
C	13.60	21.53	C	11.65	18.46
D	4.27	13.59	D	3.66	11.64
F	0.00	4.26	F	0.00	3.65

High School with Science Maximum Points Possible: 45		
Grade	Lowest Score	Highest Score
A	39.52	45.00
B	27.79	39.51
C	17.73	27.78
D	3.83	17.72
F	0.00	3.82

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