



VIRGINIA DEPARTMENT OF EDUCATION

Virginia School Performance and Support Framework

High School Calculation Guide

(Grades 9-12)

Contents

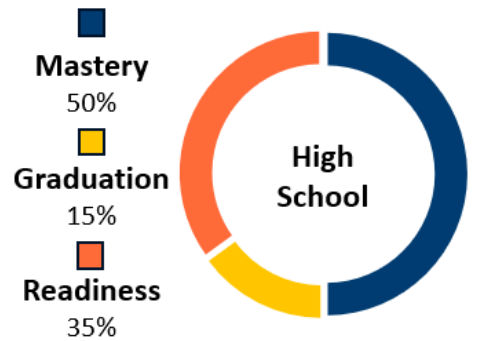
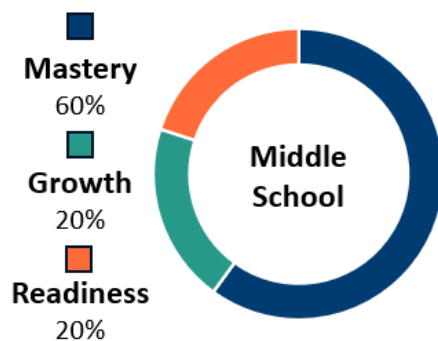
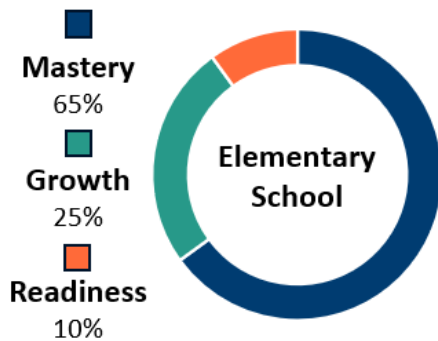
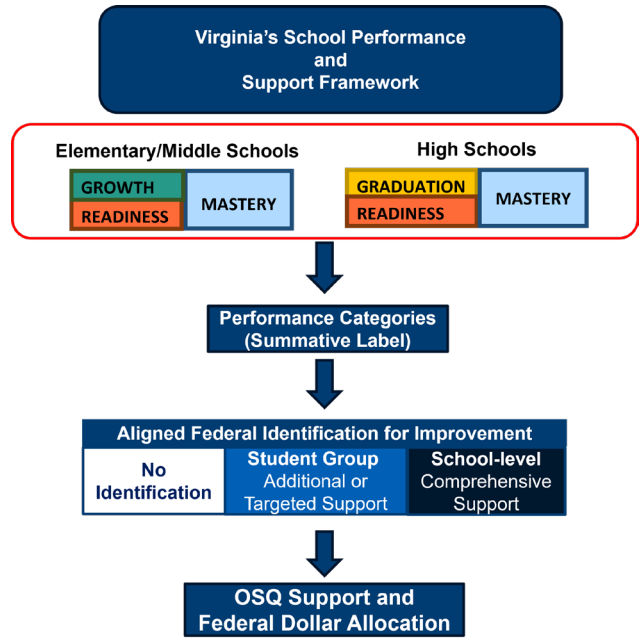
Virginia School Performance and Support Framework.....	2
Indicators within Each Component	3
Calculating Index Results	3
Overview.....	3
Calculation Process	3
Stage 1: Gather Data for each of the Components. Data sources vary by grade level.	4
Stage 2: Once the data is collected, indices are calculated for each indicator within the Mastery Component and the Growth Component.	5
Mastery Component	5
Readiness Component: 3E Framework.....	6
Stage 3: Calculate Component-level Weights	8
Stage 4: Calculate the Overall Performance	9
The Overall School Performance.....	10

Virginia School Performance and Support Framework

The Virginia School Performance and Support Framework is designed to not only fulfill requirements under the Every Student Succeeds Act (ESSA) to identify specific categories of schools, but also provide a diagnostic tool all schools can use to identify the areas of strong performance and those areas in need of further support.

Schools' overall performance will be determined using an index, with weights depending on grade band, based on the three primary components: Mastery, Growth (for elementary and middle schools), Graduation (for high schools), and Readiness.

The School Performance and Support Framework is a weighted index. This model allows easy translation into the number of points earned or a score. All total scores will be out of 100, but component scores vary based on grade span.



Elementary Schools	
Mastery	65%
Growth	25%
Readiness	10%
Total	100

Middle Schools	
Mastery	60%
Growth	20%
Readiness	20%
Total	100

High Schools	
Mastery	50%
Graduation	15%
Readiness	35%
Total	100

Indicators within Each Component

Elementary School

GROWTH 25% <ul style="list-style-type: none"> Reading Expected Growth: 12.5% Math Expected Growth: 12.5% 	MASTERY 65% <ul style="list-style-type: none"> Reading SOL/VAAP tests: 22.5% Math SOL/VAAP tests: 22.5% Science SOL/VAAP tests: 10% Progress in English Language Proficiency: 10%
READINESS 10% <ul style="list-style-type: none"> Chronic Absenteeism: 5% 5 C's Performance Task: 5% <small>Chronic Absenteeism will be 10% in the first year.</small>	

Middle School

GROWTH 20% <ul style="list-style-type: none"> Reading Expected Growth: 10% Math Expected Growth: 10% 	MASTERY 60% <ul style="list-style-type: none"> Reading SOL/VAAP tests: 20% Math SOL/VAAP tests: 20% Science SOL/VAAP tests: 10% Progress in English Language Proficiency: 10%
READINESS 20% <ul style="list-style-type: none"> Chronic Absenteeism: 5% Advanced Coursework: 7.5% 5 C's Career Performance Task: 7.5% <small>Chronic Absenteeism & Advanced Coursework will be 10% in the first year.</small>	

High School

GRADUATION 15% <ul style="list-style-type: none"> Federal Graduation Indicator: 4-year Adjusted Cohort Rate 	MASTERY 50% <ul style="list-style-type: none"> Reading SOL/VAAP tests: 15% Math SOL/VAAP tests: 15% Science SOL/VAAP tests: 10% Progress in English Language Proficiency: 10%
READINESS 35% <ul style="list-style-type: none"> Chronic Absenteeism: 5% 6-year Graduation Rate with Applied Studies: 5% Ready for Life 3E Framework: 25% <small>The Ready for Life 3E Framework focuses on students graduating high school ready for Enrollment, Employment, and/or Enlistment.</small>	

SOL: Standards of Learning

VAAP: Virginia Alternate Assessment Program

3E: Enrollment, Employment, and Enlistment

This guide demonstrates how calculations are made within the components of the framework.

Calculating Index Results

Overview

The Virginia Index System provides indices at different levels:

- some indicators
- each component
- each reporting group
- the building overall

This section details the process of how each component and the overall building indices are calculated for elementary schools.

Calculation Process

The process to calculate indices has four stages:

1. Gather indicator data within each component
2. Calculate the indices for each applicable indicator
3. Calculate the component-level weights
4. Calculate the overall performance

Stage 1: Gather Data for each of the Components. Data sources vary by grade level.

- Mastery
 - Reading SOL/VAAP Tests
 - Math SOL/VAAP Tests
 - Science SOL/VAAP Tests
 - Progress in English Language Proficiency using ACCESS tests
- Readiness
 - Chronic Absenteeism
 - 6-year Extended Graduation Rate with Applied Studies
 - 3E Framework
- Graduation
 - Federal Graduation Indicator: 4-year Adjusted Cohort Rate

Stage 2: Once the data is collected, indices are calculated for each indicator within the Mastery Component and the Growth Component.

Mastery Component

The Reading, Math, and Science Indicators use the following weights and are based on **cohort calculations**.

Weighting	
<i>Pass/Advanced</i> Performance Level	1.25
<i>Pass/Proficient</i> Performance Level	1.0
<i>Fail/Basic/Does not Meet</i> Performance Level	0.75

Reading Performance					
Performance Level	No. of Students		Points	Total	Percent of Possible Points
Advanced/College Path	126	X	1.25	157.50	
Proficient	301	X	1	301	
Does Not Meet	125	X	0.75	93.75	
Total	552			552.25	100.25

Percent of Possible Points=Points Earned/No. of Students X 100

Math Performance					
Performance Level	No. of Students		Points	Total Points	Percent of Possible Points
Advanced	101	X	1.25	126.25	
Proficient	304	X	1	304	
Does Not Meet	139	X	0.75	104.25	
Total	544			534.50	98.25

Percent of Possible Points=Points Earned/No. of Students X 100

Science Performance					
Performance Level	No. of Students		Points	Total Points	Percent of Possible Points
Advanced	89	X	1.25	111.25	
Proficient	342	X	1	342	
Does Not Meet	121	X	0.75	90.75	
Total	552			544	98.55

Percent of Possible Points=Points Earned/No. of Students X 100

English Learner Progress					
	No. of Students		Points	Total Points	Percent of Possible Points
Students demonstrating progress	53	X	1	53	
Total	68			53	77.94

Percent of Possible Points=Points Earned/No. of Students X 100

English Learner Progress on ACCESS for ELLs 2.0

Previous Year Proficiency Level	Grades K-2 Current Year Level Must Increase By	Grades 3-5 Current Year Level Must Increase By	Grades 6-12 Current Year Level Must Increase By
1.0-2.4	1.0	0.7	0.4
2.5-3.4	0.4	0.4	0.2
3.5-4.4	0.2	0.2	0.1

Readiness Component: Ready for Life: 3E Framework

Readiness Component Indicator: 3E Framework			
Enrollment			
Criteria	No. of Students	Points	Total
Earning an Associate's Degree	1	1.25	1.25
3+ credit-bearing, college-ready scores on exams; 3+ dual credit courses with minimum of "B" grade, or an Early College Scholar certificate	133	1	133.00
1-2 credit-bearing, college-ready* scores on exams, or passing 1-2 dual credit courses (3 credits) with a minimum of "B" grade	110	0.75	82.50
Completing an AP, IB, Cambridge A/AS, or CLEP exam or dual credit course (3 credits) with a "C" grade	26	0.50	13.00
Totals	270		229.75

Employment

Criteria	No. of Students	Points	Total
CTE completer who earned a state approved industry recognized credential in a high-demand field as defined by VOEE** and completed a high-quality work-based learning experience as defined by the Board	24	1.25	30.00
CTE completer who earned a state approved industry recognized credential in a high-demand field as defined by VOEE OR CTE completer who earned a state approved industry recognized credential and completed a high-quality work-based learning experience as defined by the Board	99	1	99
CTE completer who earned a state approved industry recognized credential as defined by the Board	112	0.75	84.00
CTE completer who completed a high-quality work-based learning experience as defined by the Board	50	0.50	25.00
Totals	285		238.00

Enlistment

Criteria	No. of Students	Points	Total
AFQT (ASVAB) score of 65 or higher	42	1	42
AFQT (ASVAB) score of 50-64	24	0.75	18
Meeting the minimum Military Entrance Score (AFQT/ASVAB) of 31	19	0.50	9.50
Totals	85		69.50

3E Framework

Criteria	No. of Students	Points Earned	Percent of Possible Points
Enrollment	270	229.75	
Employment	285	238.00	
Enlistment	85	69.50	
Totals	543	537.25	98.94
	Total 12th Grade Cohort		

Stage 3: Calculate Component-level Weights

Component: Mastery Index

Indicator	Points Earned	No. of Students	Percent of Possible Points	Weight	Index Value
Reading Performance	552.25	552	100.05	15.00%	15.01
Math Performance	534.50	544	98.25	15.00%	14.74
Science Performance	544.00	552	98.55	10%	9.86
English Learner Progress	53.00	68	77.94	10%	7.79

Calculation:

- Percent of Possible Points= Points earned/Students X 100
- Index Value= Percent of Possible Points X Weight

Component: Federal Graduation

Indicator	Points Earned	Total No. of Students	Percent of Possible Points	Weight	Index Value
4-year adjusted cohort	509.00	543	93.74	15.00%	14.06

Component: Readiness Index

Indicator	Points Earned	Total No. of Students	Percent of Possible Points	Weight	Index Value
Chronic Absenteeism	304	2174	13.98	5%	4.30
6-Year Federal Graduation Indicator with Applied Studies	557	568	98.06	5%	4.90
3E Framework	537.25	543	98.94	25%	24.73

Calculation:

- Percent of Possible Points= Points Earned/ Students X 100
- Index Value= Percent of Possible Points X Weight
- **Chronic Absenteeism:** Index Value= (100-Percent of Possible Points) X Weight

Stage 4: Calculate the Overall Performance

First, for each component, calculate the index value by summing the total of each indicator.

Component: Mastery					
Indicator	Points Earned	No. of Students	Percent of Possible Points	Weight	Index Value
Reading Performance	552.25	552	100.05	15.00%	15.01
Math Performance	534.50	544	98.25	15.00%	14.74
Science Performance	544.00	552	98.55	10%	9.86
English Learner Progress	53.00	68	77.94	10%	7.79
Total				50.00%	47.39



Component: Graduation					
Indicator	Points Earned	No. of Students	Percent of Possible Points	Weight	Index Value
4-Year Adjusted Cohort	509.00	543	93.74	15.00%	14.06
Total				15.00%	14.06



Component: Readiness Index					
Indicator	Points Earned	No. of Students	Percent of Possible Points	Weight	Index Value
Chronic Absenteeism	304.00	2174	13.98	5%	4.30
6-Year Federal Graduation Indicator	557.00	568	98.06	5%	4.90
3E Framework	537.25	543	98.94	25%	24.73
Total				35.00%	33.93



Next, add each component to equal the summative score (out of 100).

Component	Weight	Index Value	
Mastery	50%	47.39	
Graduation	15%	14.06	
Readiness	35%	33.93	
Total		95.38	Performance Category

The Overall School Performance

95.38	Weight	Indicator	Points Earned	Students	Percent of Possible Points	Index Value
Performance Category Total						
Mastery	15.00%	Reading Performance	552.25	552	100.05	15.01
	15.00%	Math Performance	534.50	544	98.25	14.74
	10.00%	Science Performance	544.00	552	98.55	9.86
	10.00%	EL Progress	53.00	68	77.94	7.79
47.39						
Graduation	15.00%	4-Year Adjusted Cohort	509.00	543	93.74	14.06
14.06						
Readiness	5.00%	Chronic Absenteeism	304.00	2174	13.98	4.30
	5.00%	6-year Graduation	557.00	568	98.06	4.90
	25.00%	3E Framework	537.25	543	98.94	24.73
33.93						

Performance Categories

Distinguished	On Track	Off Track	Needs Intensive Support
90 points and above	80-89 points	65-79 points	Below 65 points
Schools are exceeding the state's expectation for achievement, growth, readiness, and graduation. Schools serve as models of best practices from which others learn.	Schools are meeting the state's expectation for achievement, growth, readiness, and graduation. Schools have access to general state supports and may also receive support for student groups.	Schools are not meeting the state's expectation for achievement, growth, readiness, and graduation. Schools will receive additional support from VDOE.	Schools are significantly not meeting the state's expectation for achievement, growth, readiness, and graduation. Schools will receive more intensive support from VDOE.