



Using Diagnostic and Projection Summary Reports to Support Instructional Decisions for Students

Using your Diagnostic reports, along with your Student Projection Summary reports, is of great benefit to both administrators and teachers in making instructional decisions about current students.

Consider the following two examples and think about how you can put these reports to work for you.

EXAMPLE 1: Students who are likely to reach proficiency on the next state assessment (based on PVAAS projections) and are entering a grade and subject with a history of low academic growth.

A school may wish to look at their current 7th grade students and their likelihood of reaching proficiency on the PSSA Grade 7 Math assessment that they will take later this school year.

In this example, more than three-fourths (78%) of current 7th graders are likely to reach proficiency on the Grade 7 assessment. This is based on the Projection Summary report, shown at right.

When looking at the history of academic growth for students in PSSA Grade 7 Math, the school discovers a history of low growth results for students predicted to perform at a Proficient or Advanced level, as seen by the Diagnostic Report here (grouped by Predicted Performance Level). In other words, students who were predicted to be Proficient or Advanced in PSSA Grade 7 Math did not meet the growth standard.

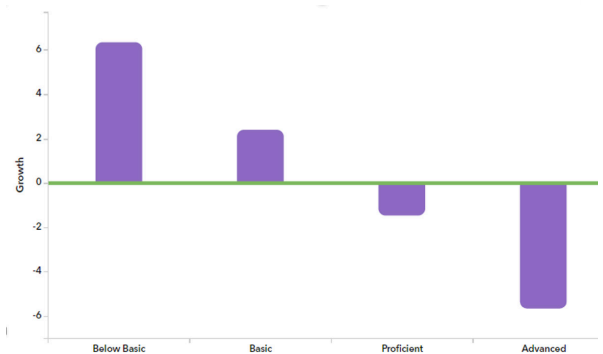
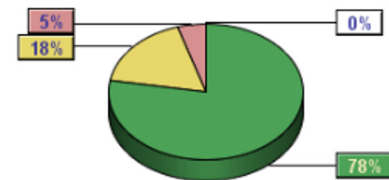
This school may wish to investigate the course content, pacing, sequencing, depth of knowledge, instructional strategies, resources, and supports for these students.

While their past testing histories indicate that the majority of current 7th graders are likely to be Proficient or Advanced on the PSSA Grade 7 Math assessment, the growth results last year show growth for students predicted to be Proficient or Advanced to be less than the growth standard.

Unless something changes with the educational program provided in this grade and subject, students entering Grade 7 Math at these achievement levels are not likely to make the academic growth needed to perform as predicted given their academic histories.

Enrolled 7th Grade Projected to 7th PSSA Math (Proficient)

Probability	Student Count	Percentage
Greater than 70%	115	78%
Between 40% and 70%	26	18%
Less than 40%	7	35%
Students without a projection	0	0%



2021 PSSA Math 7th Grade

Growth	Predicted Performance Level			
	Below Basic	Basic	Proficient	Advanced
Average	6.33	2.39	-1.47	-5.66
Standard Error	3.49	1.48	1.02	2.00
Student Count	6	59	104	50
Percentage of Students	2.7	26.9	47.5	22.8



EXAMPLE 2: Students who are not likely to reach proficiency on the next state assessment (based on PVAAS projections) are entering a grade and subject with a history of high academic growth.

A school may wish to investigate students not likely to reach proficiency on the next PSSA Math assessment.

In this example, over half (55%) of the current 8th grade students are unlikely to reach proficiency based on their previous academic histories on the state assessment.

When looking at the history of academic growth for students in Grade 8, the school discovers a history of high growth results for students predicted to perform at the Below Basic or Basic performance levels as seen by the Diagnostic Report here at right (grouped by Predicted Performance Level).

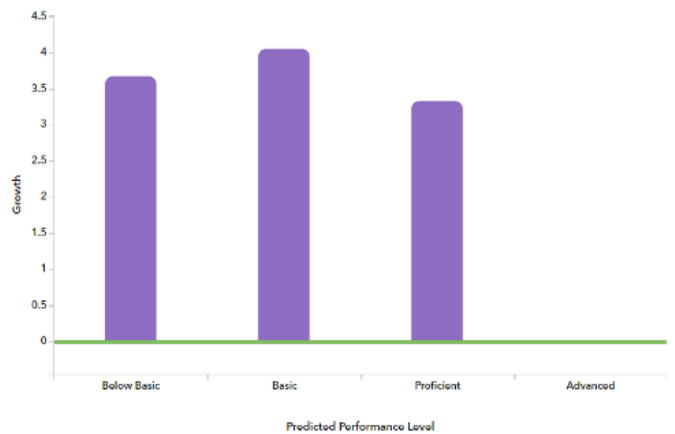
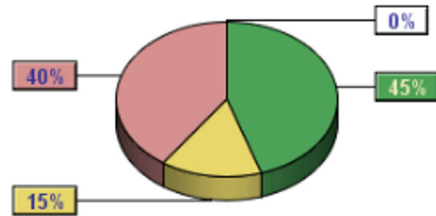
This school may wish to look closer at the curriculum, instruction, course selection, and interventions available for 8th grade students to ensure students are receiving appropriate instruction and support to put them on a path to proficiency, because it is as important to identify what is *working* as it is to identify what is *not!*

While 55% of current 8th grade students are NOT likely to be proficient on the PSSA Grade 8 Math assessment, the history of growth results for the Grade 8 Math program are favorable to support the students in exceeding the growth standard. When this is the case, students are likely to score higher than their predictions would indicate.

Educators in the school may want to reflect on what they did with prior groups of 8th grade students to accelerate their academic growth so that they can continue the practices that were effective in the past and build upon them.

Enrolled 8th Grade Projected to 8th PSSA Math (Proficient)

Probability	Student Count	Percentage
Greater than 70%	58	45%
Between 40% and 70%	19	15%
Less than 40%	52	40%
Students without a projection	0	0%



2021 PSSA Math 8th Grade				
	Predicted Performance Level			
Growth	Below Basic	Basic	Proficient	Advanced
Average	3.67	4.05	3.33	--
Standard Error	2.36	1.85	4.64	--
Student Count	42	41	6	0
Percentage of Students	47.2	46.1	6.7	0.0

Visit education.pa.gov/pvaas for additional resources on this topic.