



PVAAS SY2011-12 Statewide Scatterplots Mathematics and Reading Grades 4-8 and 9-11

The PSSA-PVAAS scatterplots visually display the following data from the statewide distribution of PSSA results for SY2011-12.

From PSSA:

- Grades 4-8: The percent of students in each grade who scored at a Proficient or Advanced level on the last PSSA exam
- Grades 9-11: The predicted achievement of the group of students, reported in scale score points
- For grades 4-8, the horizontal line represents the annual target for AYP
- For grades 9-11, the horizontal line represents the average scale score for all students statewide

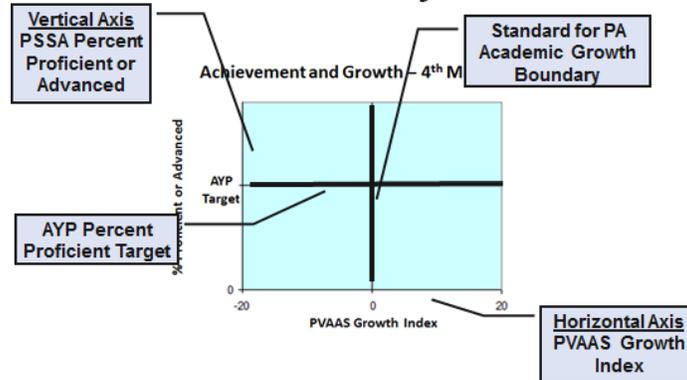
From PVAAS:

- Average Growth Index – A measure of student growth across the tested grade levels in a district or school. This index is a value based on the average growth across grade levels and its relationship to the standard error so that comparison among districts and schools is meaningful.
- PVAAS utilizes the Average Growth Index (based on the standard error) to allow for a view across districts and schools. Its use is similar to the Consumer Price Index, a common scale used to provide comparisons. If the standard error is not accounted for, users might get a skewed picture of the relative effectiveness of different districts/schools.
- Average Growth Index (AGI) – the Growth Measure for the school, divided by its standard error.
 - Reading/Math 4-8: zero (0) represents the standard for PA Academic Growth
 - Science, Writing, Reading/Math 9-11: zero (0) represents the state average growth for that grade/subject in scaled scored points
- An AGI significantly to the right of zero indicates growth greater than the standard for PA Academic Growth. An AGI significantly to the left of zero indicates growth less than the standard for PA Academic Growth.
- Small positives and small negatives indicate growth similar to the standard for PA Academic Growth.

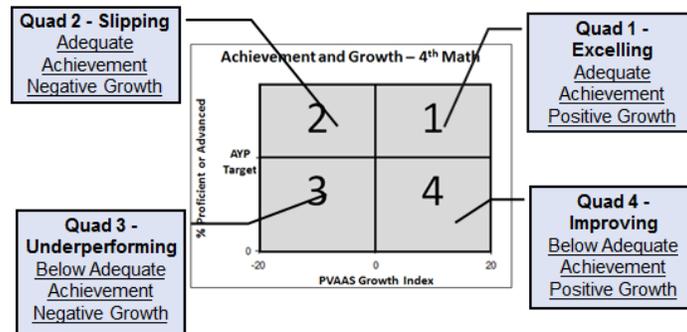
Each dot represents a school, **which** has been placed on the graph based on:

- Grades 4-8: the percent of students who scored at a Proficient or Advanced level, and the Average Growth Index from PVAAS
- Grades 9-11: the predicted achievement of the group of students, and the Average Growth Index from PVAAS

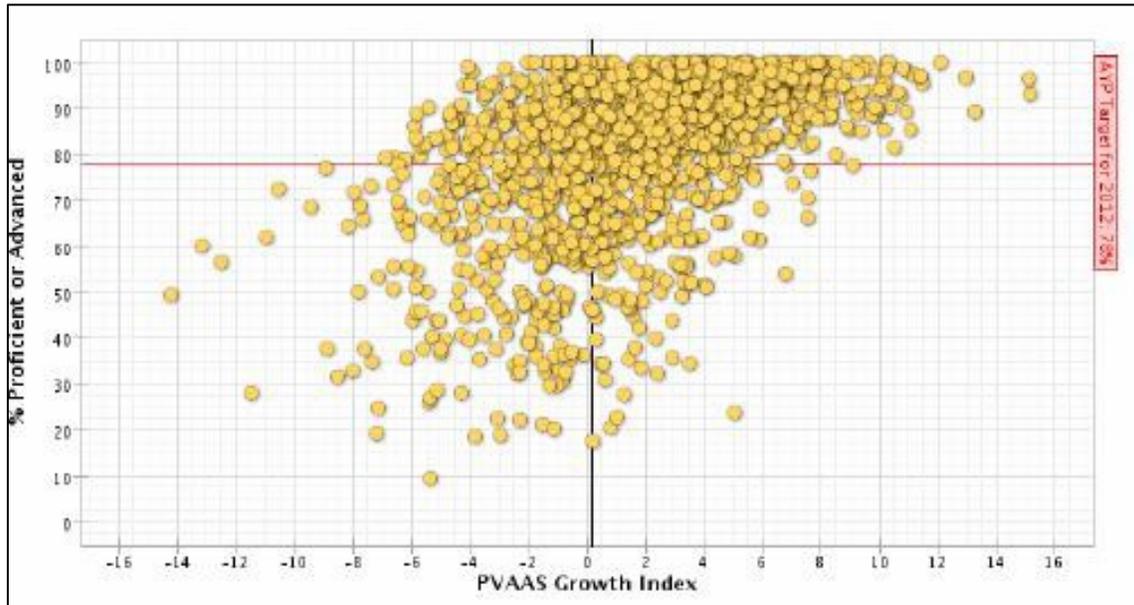
The Scatterplot Coordinate System



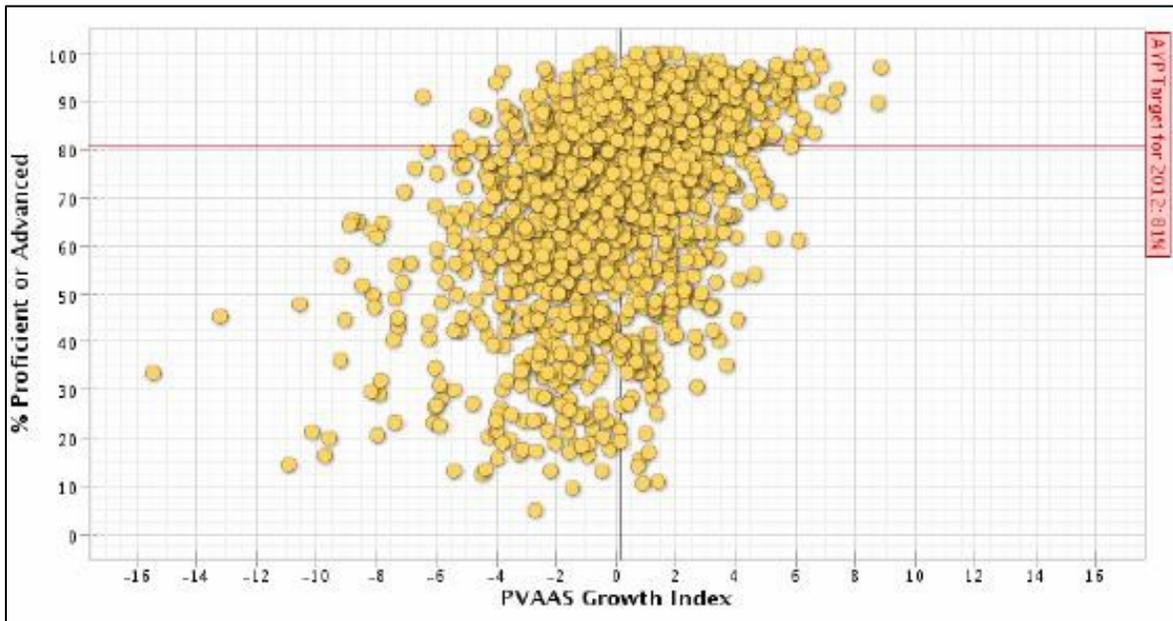
Scatterplot Quadrants and Their Meanings



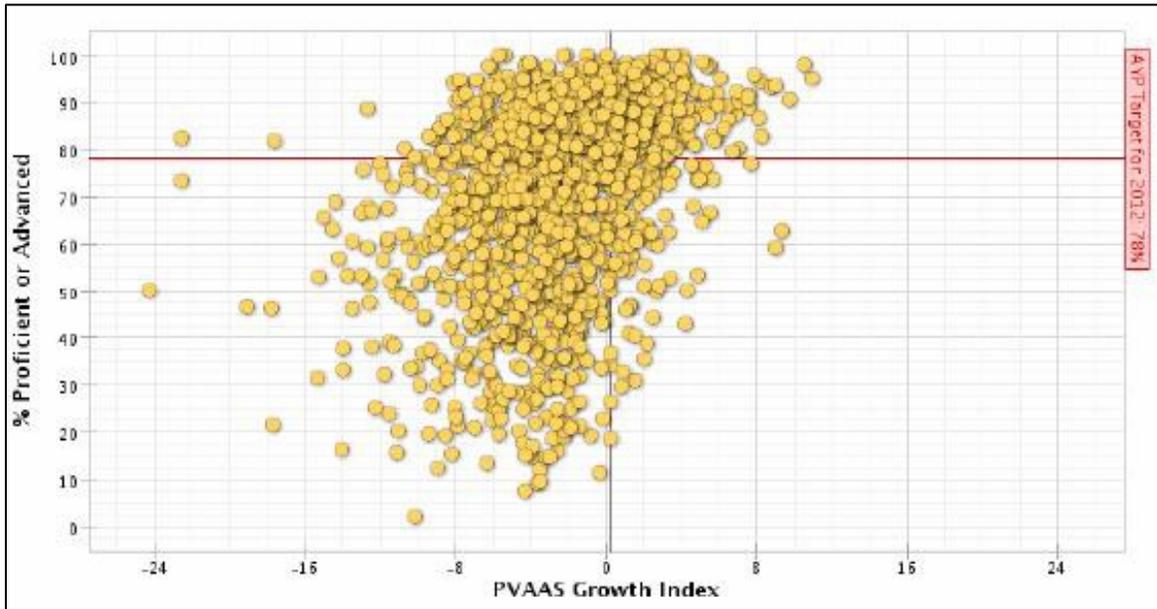
Grade 4 Mathematics Statewide



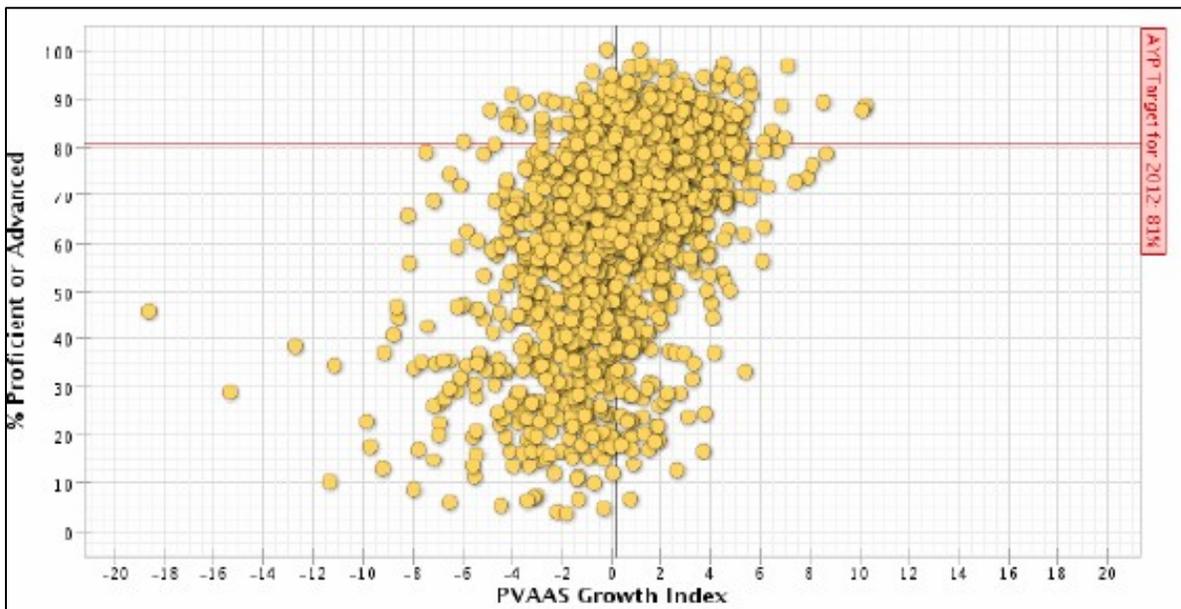
Grade 4 Reading Statewide



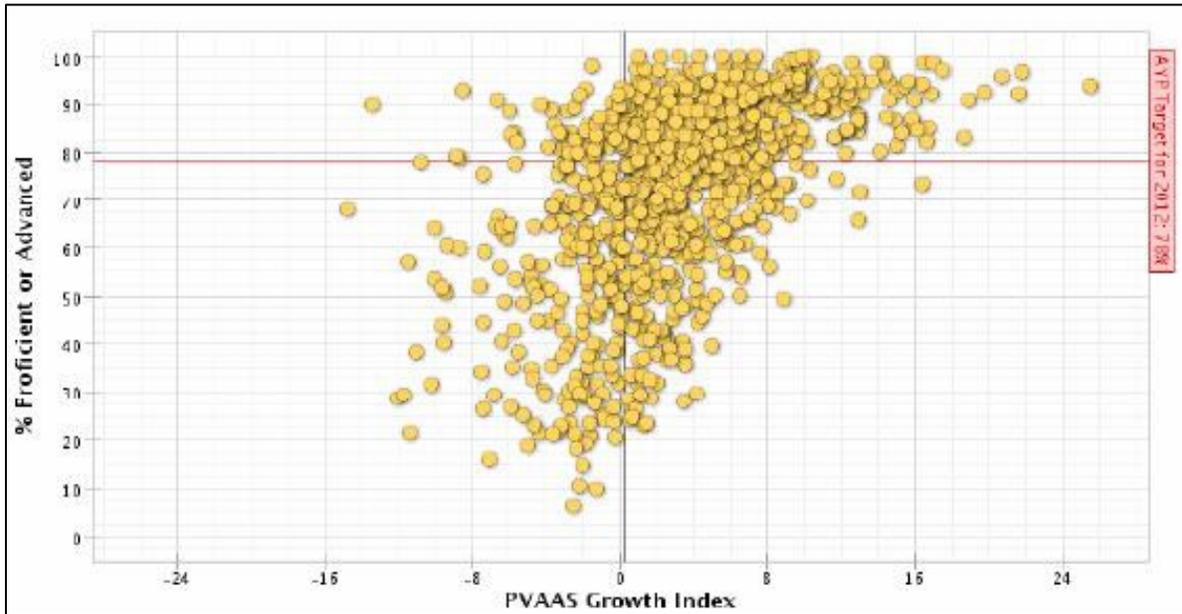
Grade 5 Mathematics Statewide



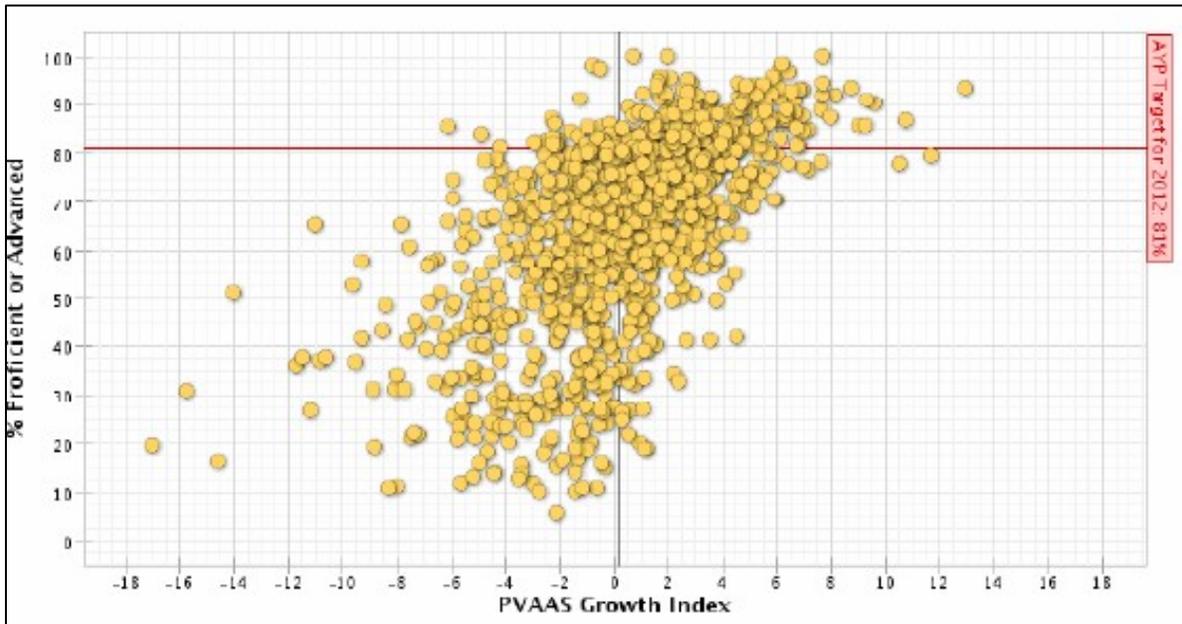
Grade 5 Reading Statewide



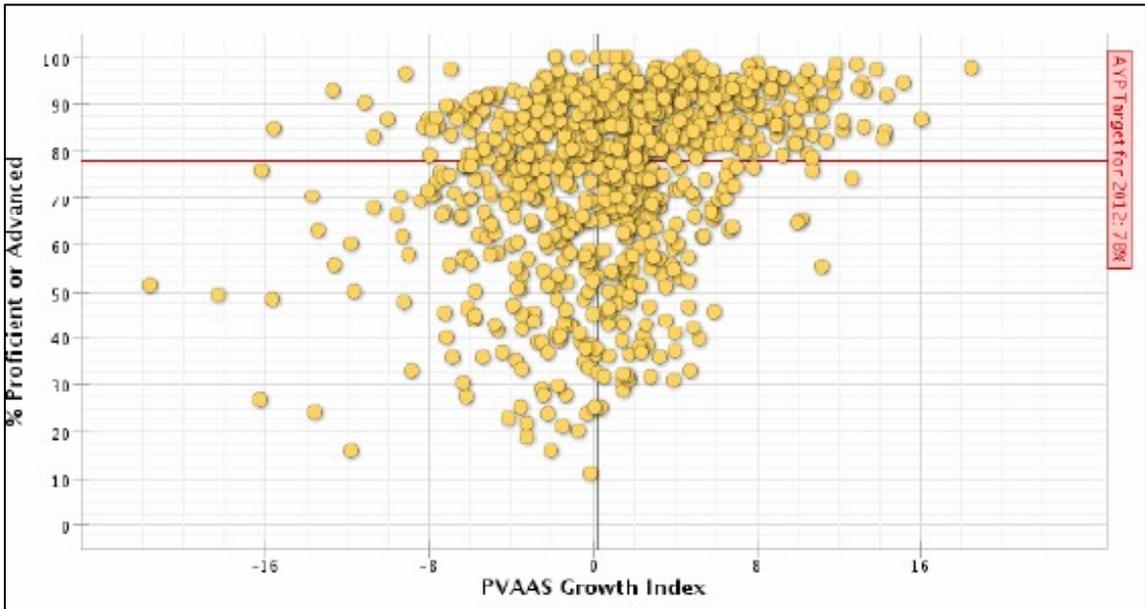
Grade 6 Mathematics Statewide



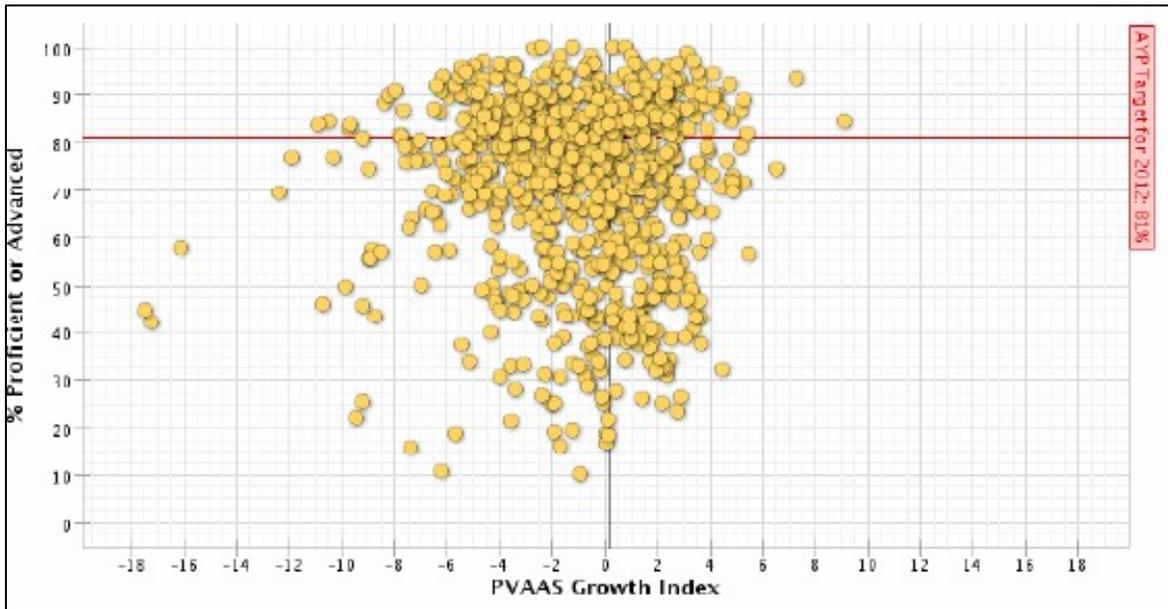
Grade 6 Reading Statewide



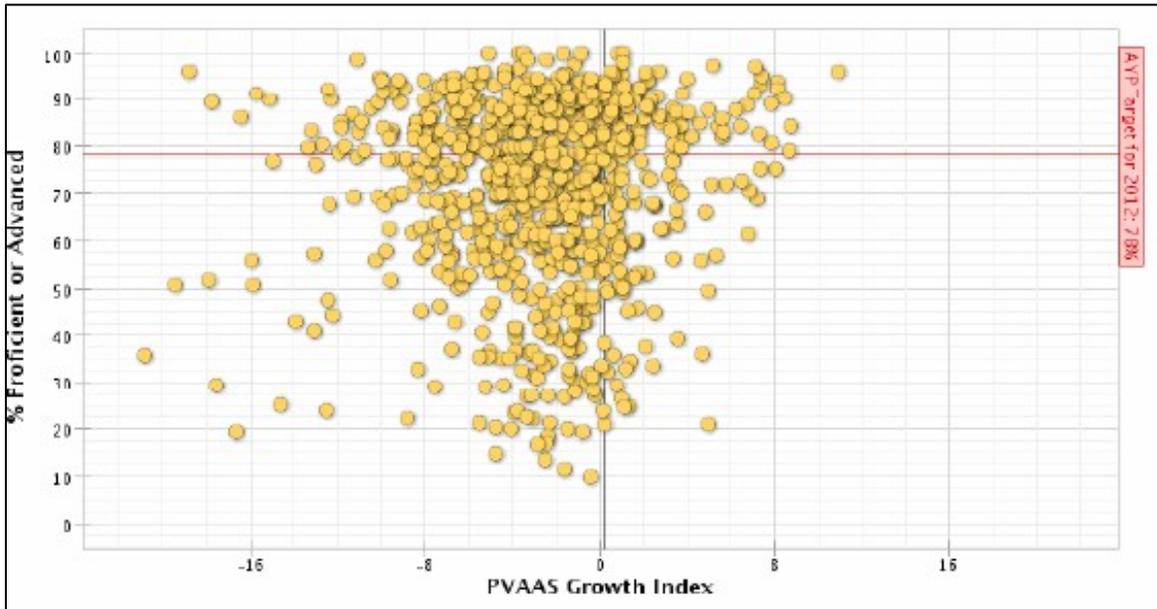
Grade 7 Mathematics Statewide



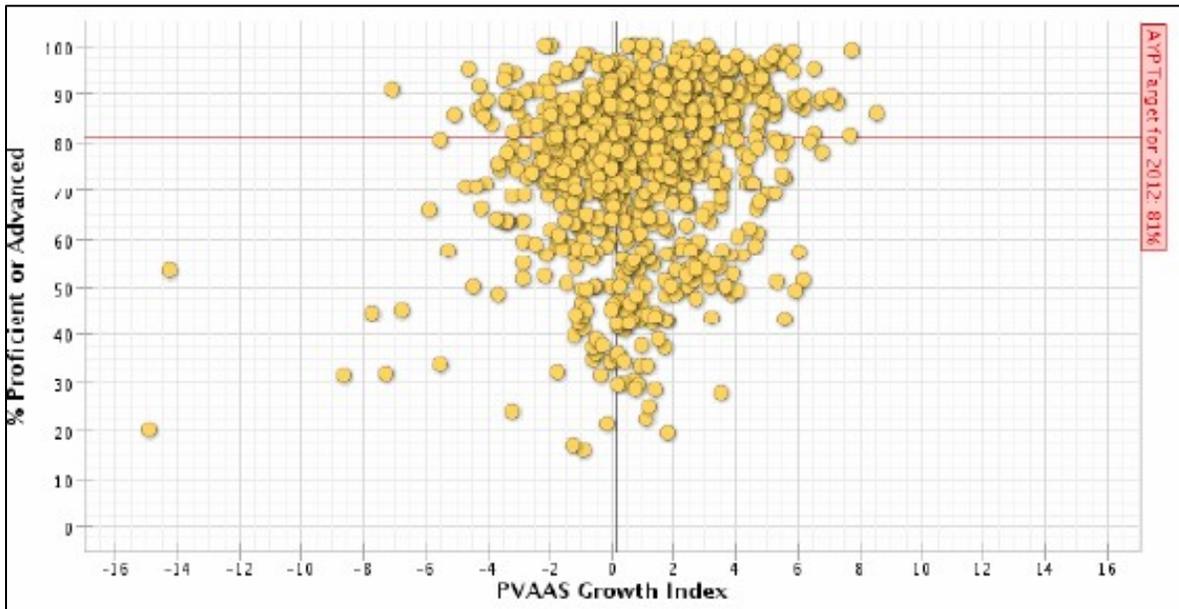
Grade 7 Reading Statewide



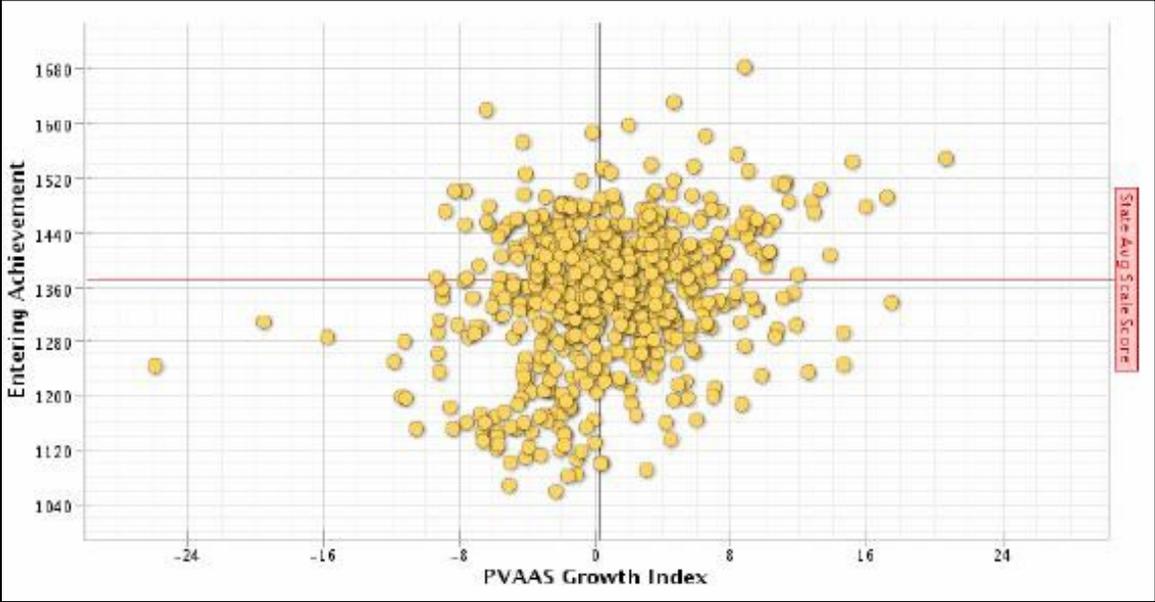
Grade 8 Mathematics Statewide



Grade 8 Reading Statewide



Grades 9-11 Mathematics Statewide



Grades 9-11 Reading Statewide

