



PVAAS SY2016-17 Statewide Scatterplots

PSSA Mathematics, English Language Arts, & Science

Keystone Algebra I, Literature & Biology

The PVAAS scatterplots visually display the relationship between growth and achievement data from the statewide distribution of results for SY2016-17.

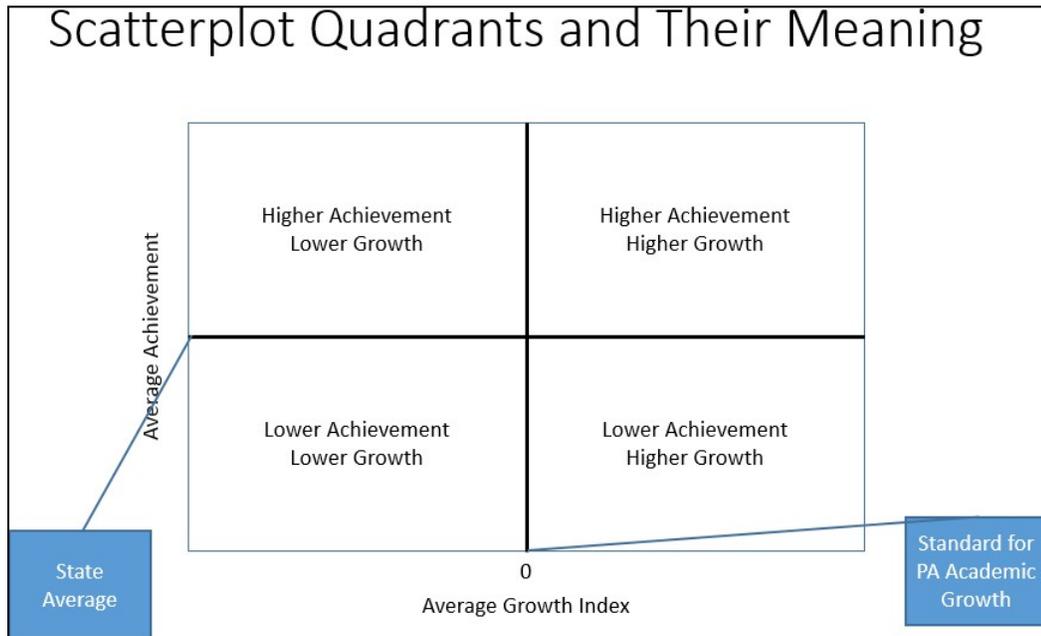
Entering Achievement or Vertical Axis:

- In the PSSA subject areas of English Language Arts and Math, the achievement level is represented in Normal Curve Equivalents (NCE units), where an NCE of 50 equals the state average.
- In the PSSA subject area of Science and the Keystone content areas of Algebra I, Literature, and Biology, the achievement level is represented in scale score points.
- In the PSSA subject areas of English Language Arts, Math, and Science, the Average Growth Index represents the growth in that grade level and subject area in SY16-17.
- In the three Keystone content areas, the Average Growth Index represents the growth of the students in SY16-17.

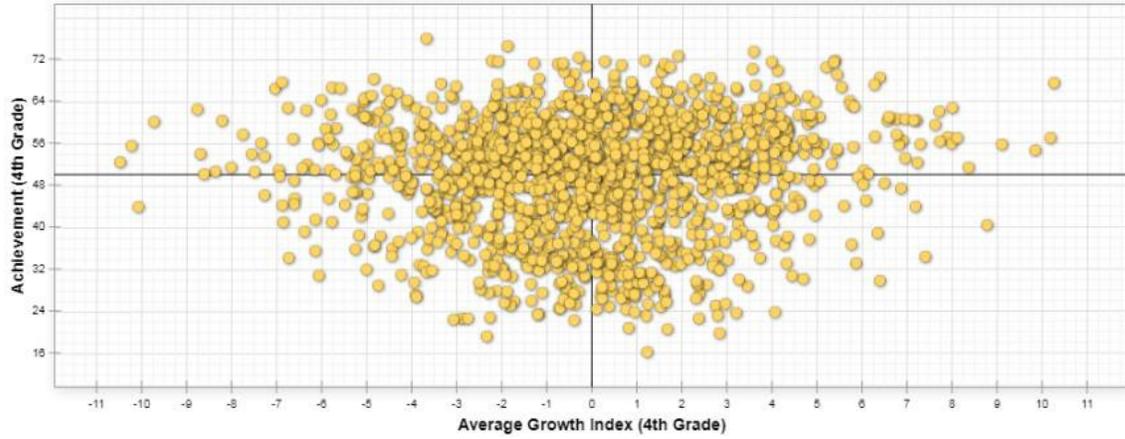
Additional information:

- Average Growth Index – A measure of student progress across the tested grade levels in a 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 schools is meaningful. It indicates the growth the students have made over time.
- The Average Growth Index 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 schools.
- Average Growth Index (AGI):
 - If the AGI is equal to or near zero, this means the students met the standard for PA Academic Growth.
 - If the AGI is greater than zero, this means the students exceeded the standard for PA Academic Growth. The greater the AGI, the more confident we are that the group of students exceeded the standard for PA Academic Growth.
 - If the AGI is less than zero, this means the students did not meet the standard for PA Academic Growth. The further the AGI is below zero, the more confident we are that the group of students did not meet the standard for PA Academic Growth.

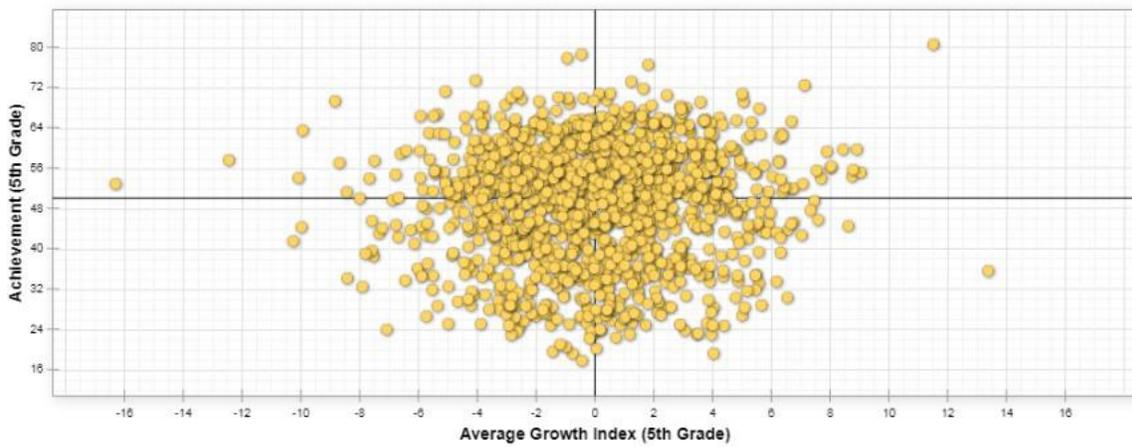
- Each dot in the scatterplot represents a school.



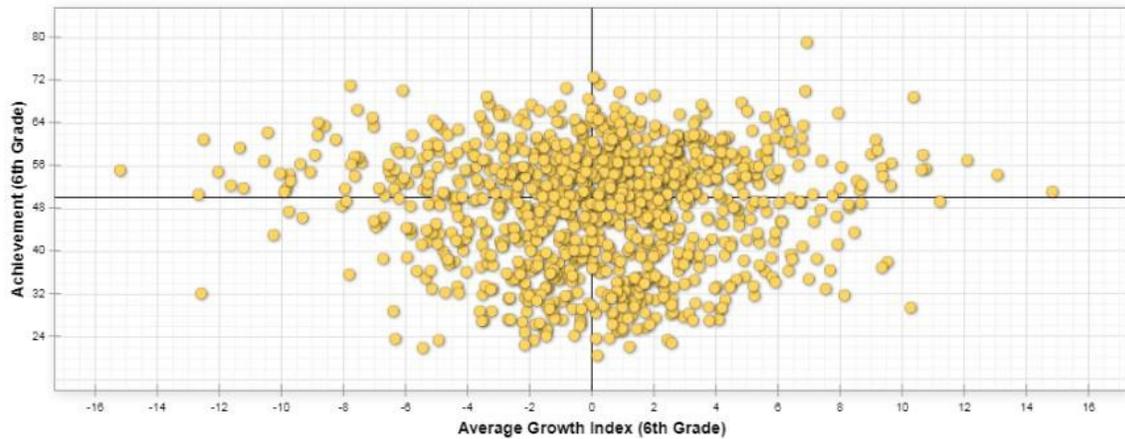
Grade 4 Mathematics Statewide



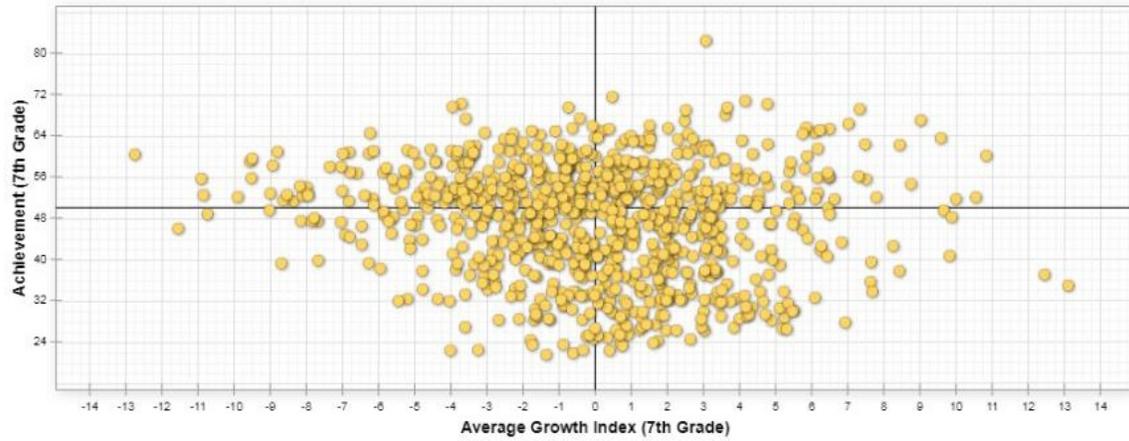
Grade 5 Mathematics Statewide



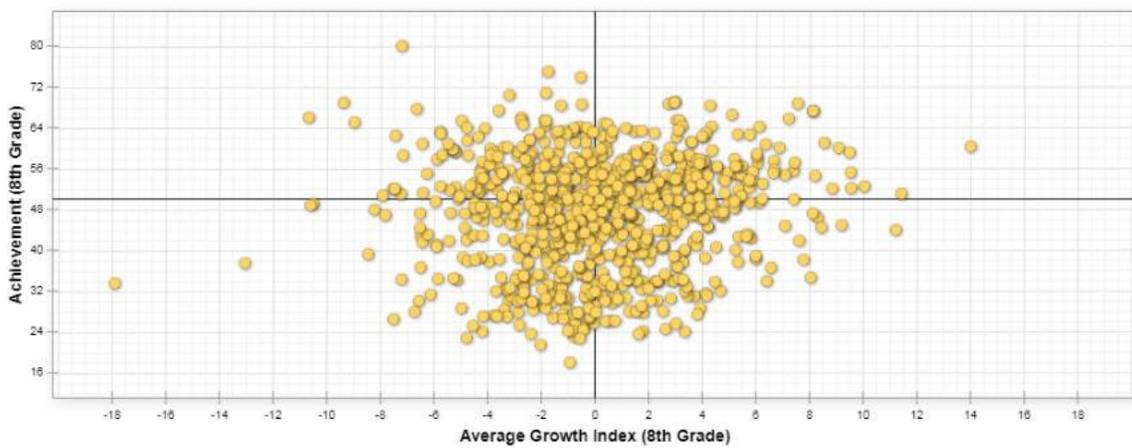
Grade 6 Mathematics Statewide



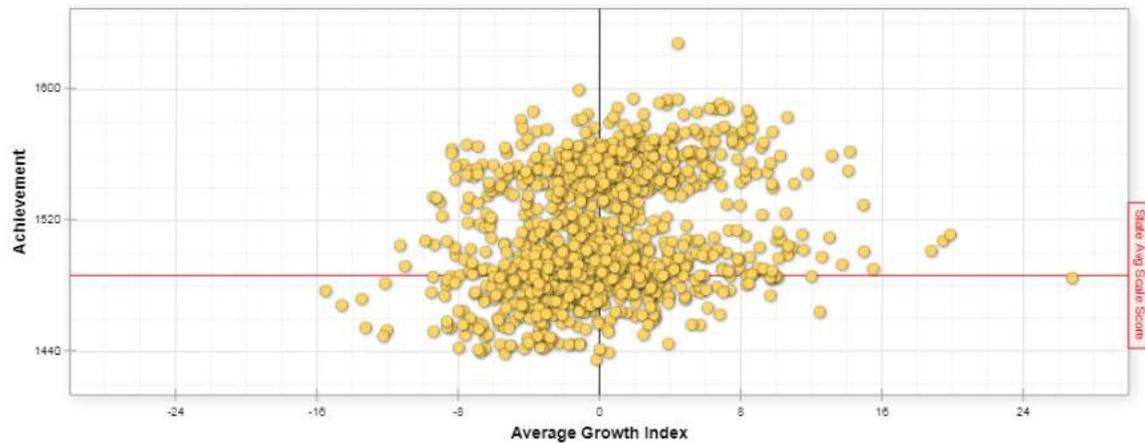
Grade 7 Mathematics Statewide



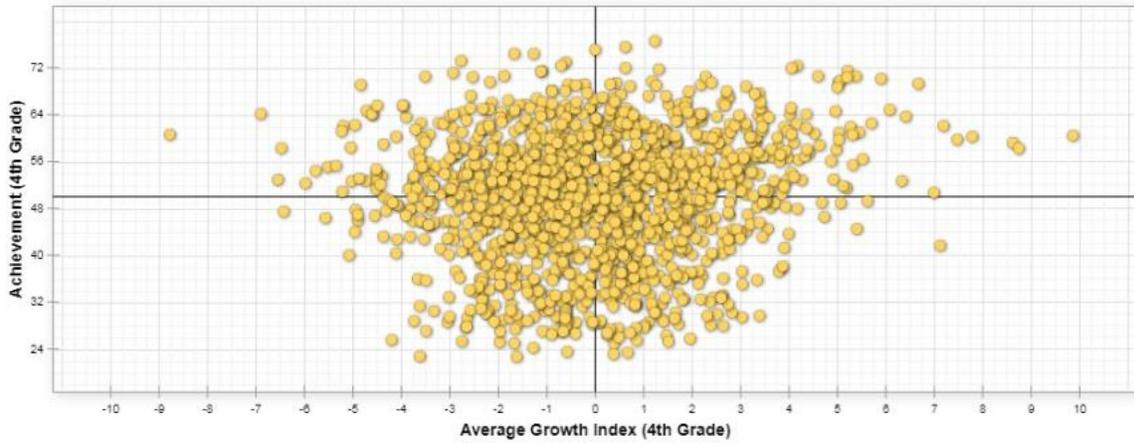
Grade 8 Mathematics Statewide



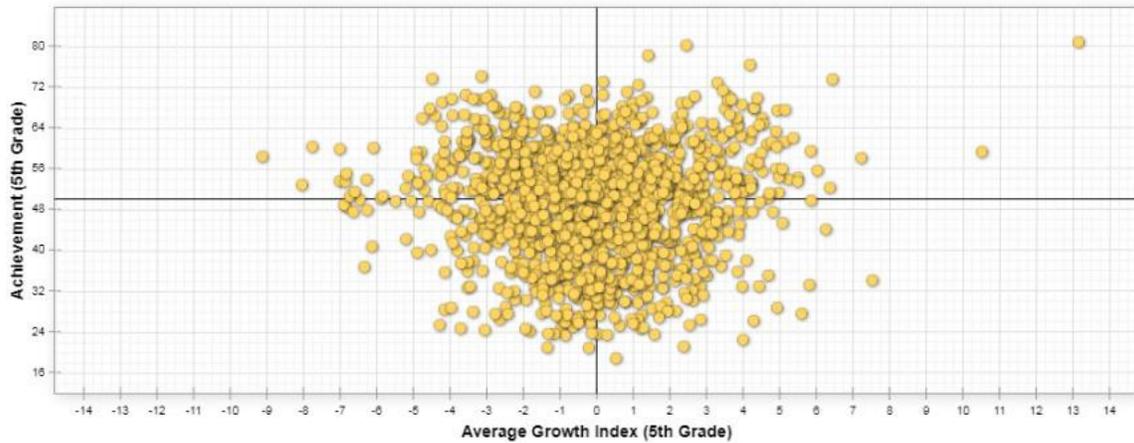
Keystone Algebra I Statewide



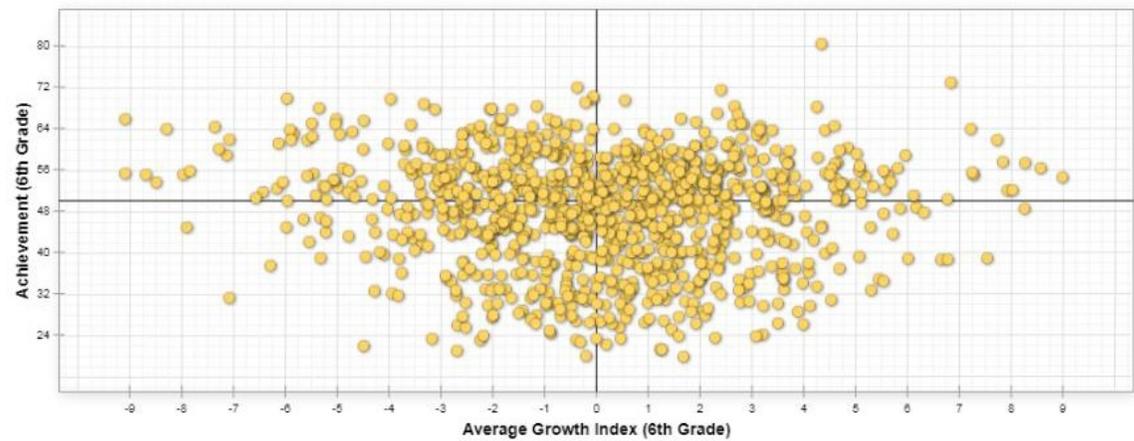
Grade 4 English Language Arts Statewide



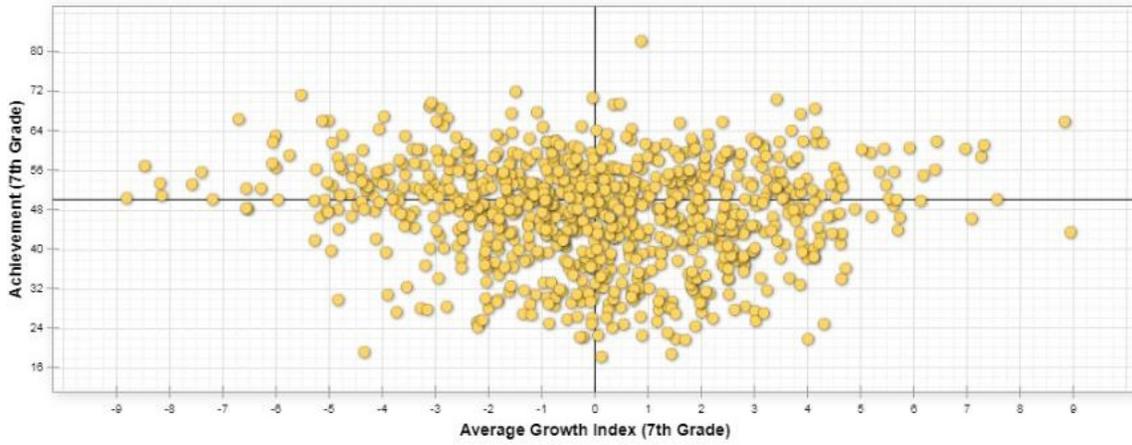
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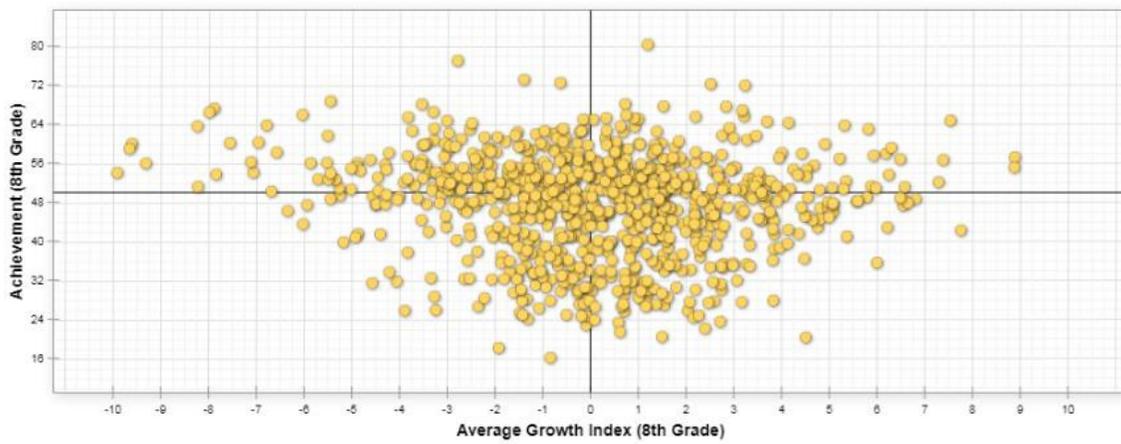
Grade 6 English Language Arts Statewide



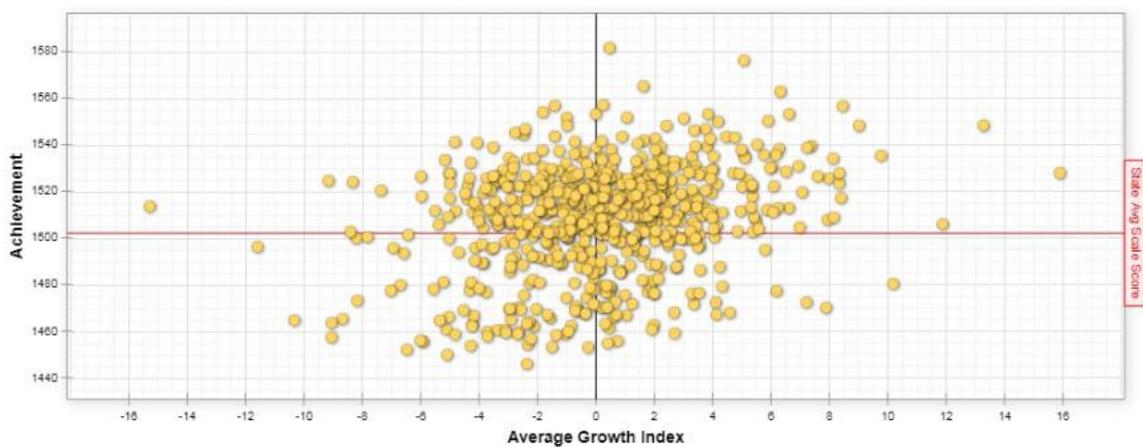
Grade 7 English Language Arts Statewide



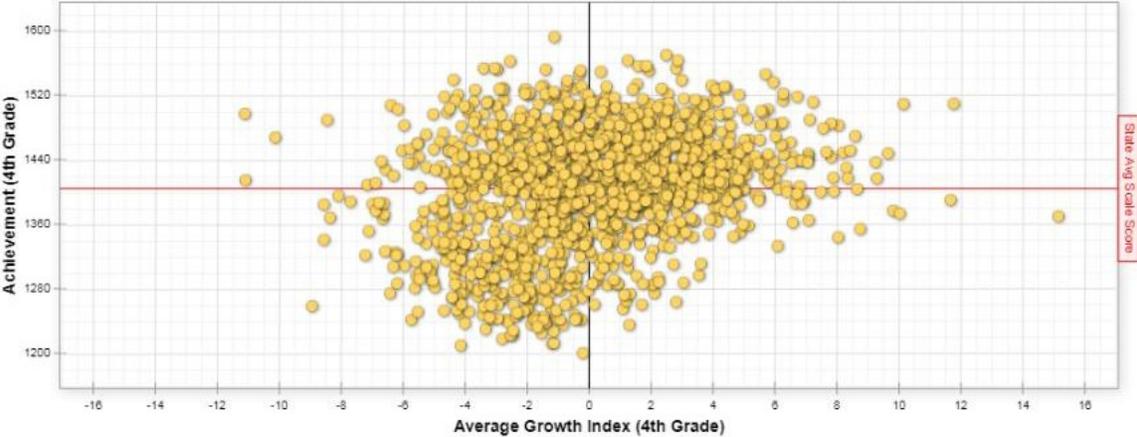
Grade 8 English Language Arts Statewide



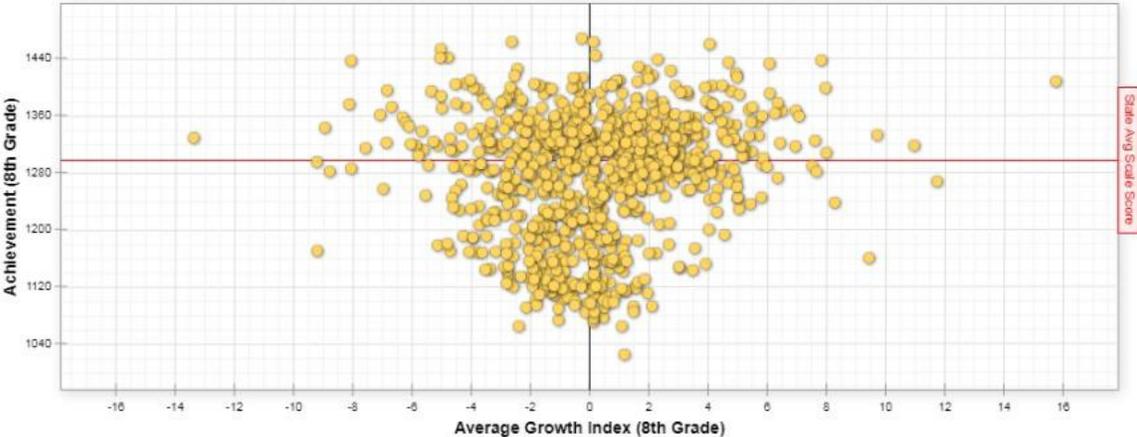
Keystone Literature Statewide



Grade 4 Science Statewide



Grade 8 Science Statewide



Keystone Biology Statewide

