

School Progress Index (SPI) Tutorial

Reading the Growth Indicator Graph

This graph shows the data for one middle school's Growth Indicator. The data is represented in a bar graph and is set up like the School Progress Index graph. However, only the data for the Growth Indicator is represented by the blue bars.

The header on the left hand side that reads **Indicators Grades 6-8** shows the school's performance on the Growth Indicator. At the bottom of the first two blue bars, we can see the proportional significance assigned to Growth in Reading and Math, which is 50% for each content.

The header on the right hand side that reads **SPI Grades 6-8** shows the Growth Indicator Contribution, which is represented by the single blue bar. The value below the blue bar represents the proportional significance assigned to Growth in calculating the SPI, which is 30%.

The dotted black line represents the average of the two performances using the weighting shown under the bar. The average is called the Progress Scale Value and is shown below the two bars. For this school, the Progress Scale Value for the Growth Indicator is 1.0271.

The Y-axis or vertical line on the left represents the new indices for SPI and is called the Progress Scale. The number "1.00" on the scale would indicate that the performance met the Annual Measurable Objective or AMO. Numbers above 1.00 surpass the AMO whereas numbers below 1.00 do not meet the AMO.

The table below shows how the Growth Indicator calculations were made.

As shown on the table, the percent of students whose performance was equal to or better than the previous year (74.76%) on the state assessment on each content is divided by that school's 2012 Growth AMO. That number is called the Measure Progress Scale Value. We'll use Math to work through this calculation. 74.76% of the students at this school performed at the advanced or proficient level on MSA. The percent of students performing at the advanced or proficient levels is then divided by that school's 2012 AMO which is 78.27%. The result is .9553 which is called the Measure Progress Scale Value for Math. .9553 is then multiplied by the proportional significance assigned to each content area, which in this case is 50%. The result is .4776 and is called the Measure Contribution. The next step involves summing the Measure Contributions for the two contents. In this case the sum is 1.0271. The last step is to multiply the Combined Measure Contribution by the Proportional Significance Assigned to Growth (30%), which gives us the Growth Contribution Value used in the calculation of the school's SPI. This school's Growth Contribution Value is .3081.