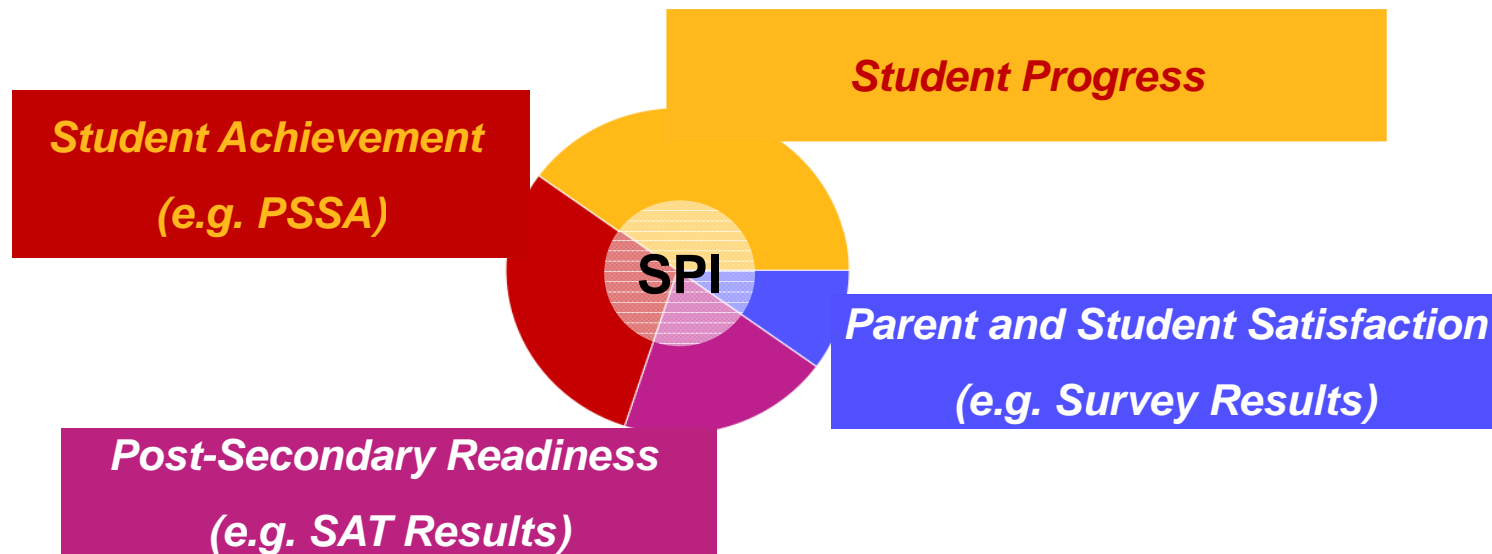


*Imagine*  
**2014**

School Performance Index

# School Performance Index (SPI): A Comprehensive Measurement System for All Schools



# Imagine 2014

## What is the SPI?

The School Performance Index (SPI) is a comprehensive method for comparing the success of all schools – public and public charter schools – on a variety of key components. Imagine 2014 called on the district to develop a method of ranking schools to identify those in need of intervention and those that should be rewarded with more autonomy.

The SPI combines and weights the following into a single calculated score:

- student proficiency
- student growth
- student attendance
- survey data
- college preparatory data (high schools only)

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## Why use an index?

**Evaluating schools' performance requires examining many outcomes of academic progress and achievement as well as parent and student satisfaction.**

**The School Performance Index creates a score that is a composite of key indicators showing how each school is performing:**

### **For District schools:**

1. Relative to the District Overall
2. Relative to Similar District Schools

### **For Charter schools:**

1. Relative to the District Overall
2. Relative to other Charter Schools

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## Why not just use Adequate Yearly Progress (AYP) to measure school performance?

- 1. SPI is more comprehensive:** it incorporates many more measures than AYP.
- 2. SPI is more balanced:** Making AYP is disproportionately difficult for schools with more race/ethnic, linguistic, and special needs diversity, because of the way “subgroups” are handled, as defined by the State and Federal government.
- 3. SPI puts focus on student growth:** AYP is much less influenced by individual student growth than the SPI.

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## Components of the 2010 SPI

### What's in the School Performance Index?

#### **Student Progress (40%)**

*(Individual Student Annual Growth on PSSA – PVAAS is a PSSA analysis for growth)*

#### **Student Achievement (30%)**

*(PSSA Proficiency, PSSA Below Basic, Ethnic/Special Ed/ELL Achievement Gaps)*

#### **Post-Secondary Readiness (20%)**

*(High School Only\*: Grad Rate, 9<sup>th</sup> Grade on Track, SAT Participation, College Enrollment)*

#### **Satisfaction and Engagement (10%)**

*(Attendance,  
Parent/Student Survey Results)*

\*Weights are therefore somewhat different for Elementary and Middle Schools.

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## Components of the SPI

### **Student Progress (40%)**

*(Individual Student Annual Growth on PSSA – PVAAS is a PSSA analysis for growth)*

- **Individual Student Growth**

- Accounts for the differences in school populations—not all students start in the same place
- Credits schools where students make gains, no matter where they started

SPI Components	High School	Middle and Elementary
Student Progress (Growth on PSSA)	40%	50%

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## Components of the SPI

### **Student Achievement (30%)**

*(PSSA Proficiency, PSSA Below Basic, Ethnic/Special Ed/ELL Achievement Gaps)*

- **PSSA Proficiency**
  - Students performing at Pennsylvania Standard
- **PSSA “Below Basic”**
  - Credits schools for helping students move out of the lowest level
- **Achievement Gap**
  - Credits schools for reducing the achievement gaps

<b>SPI Component</b>	<b>High School</b>	<b>Middle and Elementary</b>
<b>Student Achievement</b>	<b>30%</b>	<b>40%</b>
Percent Proficient/Advanced	18%	20%
Percent Below Basic	6%	10%
Achievement Gap	6%	10%

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## Components of the SPI

### **Post-Secondary Readiness (20%)**

*(High School Only\*: Grad Rate, 9<sup>th</sup> Grade on Track, SAT Participation, College Enrollment)*

- **Graduation Rate**
- **Ninth Graders On-Track**
- **SAT Participation**
- **College Enrollment**

Notes:

For charters, weights are slightly different as data for SAT participation are not available.

This category applies only to High Schools.  
Weighting for Elementary/Middle schools is therefore different.

<b>SPI Components</b>	<b>High School</b>	<b>Middle and Elementary</b>
<b>Post-Secondary Readiness</b>	<b>20%</b>	<b>N/A</b>
Graduation Rate	10%	
Ninth-Grade On Track	4%	
SAT Participation	4%	
College Enrollment	2%	

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## Components of the SPI

### **Satisfaction and Engagement (10%)**

*(Attendance, Parent/Student Survey Results)*

- **Student Attendance**
  - Used as a measure of academic engagement
- **Survey Results (Parent, Student & Teacher)**

SPI Components	High School	Middle and Elementary
<b>Satisfaction &amp; Engagement</b>	<b>10%</b>	<b>10%</b>
Student Attendance	4%	4%
Student Satisfaction	2%	2%
Parent Satisfaction	2%	2%
Teacher Satisfaction	1%	1%
Parent Survey Response Rate	1%	1%

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## Sample High School Data Sheet

		2009	2010	District Points	Charter Points	Weight
Student Achievement	Percent Below Basic-Math	64.9%	29.2%	5 out of 10	4 out of 10	3%
	Percent Below Basic-Reading	51.4%	21.5%	5 out of 10	4 out of 10	3%
	Percent Proficient or Advanced-Math	13.5%	48.3%	6 out of 10	4 out of 10	9%
	Percent Proficient or Advanced-Reading	19.8%	54.9%	5 out of 10	4 out of 10	9%
	Achievement Gap-Math (Compared to SDP)	37.7	9.5	6 out of 10	N/A	3%
	Achievement Gap-Math (Charter Only)	32.8	11.3	N/A	4 out of 10	
	Achievement Gap-Reading (Compared to SDP)	38.6	11.5	5 out of 10	N/A	3%
	Achievement Gap-Reading (Charter Only)	40.8	15.4	N/A	4 out of 10	
	Growth on PSSA-Math (compared to SDP)	38.5	44.8	4 out of 10	N/A	20%
	Growth on PSSA-Math (Charter Only)	38.3	41.5	N/A	3 out of 10	
	Growth on PSSA-Reading (compared to SDP)	42.8	42.4	4 out of 10	N/A	
	Growth on PSSA-Reading (Charter Only)	42.3	44.6	N/A	4 out of 10	20%
Satisfaction & Engagement	Parent Satisfaction	3.5	3.5	7 out of 10	7 out of 10	2%
	Parent Survey Response Rate	17.9%	17.7%	7 out of 10	5 out of 10	1%
	Student Satisfaction	N/A	0.0	0 out of 10	0 out of 10	2%
	Teacher Satisfaction	N/A	N/A	N/A out of 10	N/A out of 10	1%
	Student Attendance Rate	90.7%	91.0%	6 out of 10	3 out of 10	4%
Post-Secondary Readiness	Graduation Rate	65.5%	76.5%	5 out of 10	6 out of 10	10%
	On-Track to Graduate	79.2%	84.0%	6 out of 10	4 out of 10	4%
	SAT Participation	N/A	N/A	N/A	N/A	4%
	College Enrollment	38.8%	28.2%	5 out of 10	2 out of 10	2%

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## Informing the Charter School Community

- A Webinar was held on November 1, 2010 with 33 schools participating. The SPI was reviewed and questions answered.
- Two large-group information sessions were held on November 4<sup>th</sup> and 9<sup>th</sup> to provide more details and answer questions about the SPI. In total, representatives from 41 charter schools attended.
- The District also invited all charter schools to have an individual meeting with the District's Office of Accountability. Over three dozen charter schools participated, which were held through the end of November.

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## Informing the Charter School Community

- In early December, the District's Office of Accountability provided each charter operator with a CD containing key data inputs used in the calculation of their own SPI score to allow for further data verification.
- Charter schools could provide feedback or corrections by December 20, 2010. Several schools requested and were granted extensions until January 7, 2011. All data discrepancies identified through January 19, 2011 were evaluated and necessary changes made.

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## What is the SPI used for?

- **The District has used the SPI to identify its highest and lowest performing schools, including Renaissance Schools, Promise Academies and Vanguard Schools.**
- **The SPI is also intended to provide parents and families with a useful way to evaluate and compare public schools, both District and Charter, in addition to a variety of other criteria that a family may use.**
- **The School Reform Commission (SRC) may use the SPI scores (Charter compared to District) to inform decisions about charter renewals and expansions in the future.**

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## Why some schools may not have SPI scores

- **The school does not have at least one grade-level tested with the PSSA – these schools will never have an SPI score.**
- **Insufficient Data**
  - ✓ **New schools in their first few years of operation do not have an SPI score but may have one in future years as more data becomes available, (e.g., no grad rate).**
  - ✓ **Schools with a too small sample of PSSA-tested students will not have an SPI score since there is not enough data to calculate a valid SPI score.**