

# Downingtown STEM Academy

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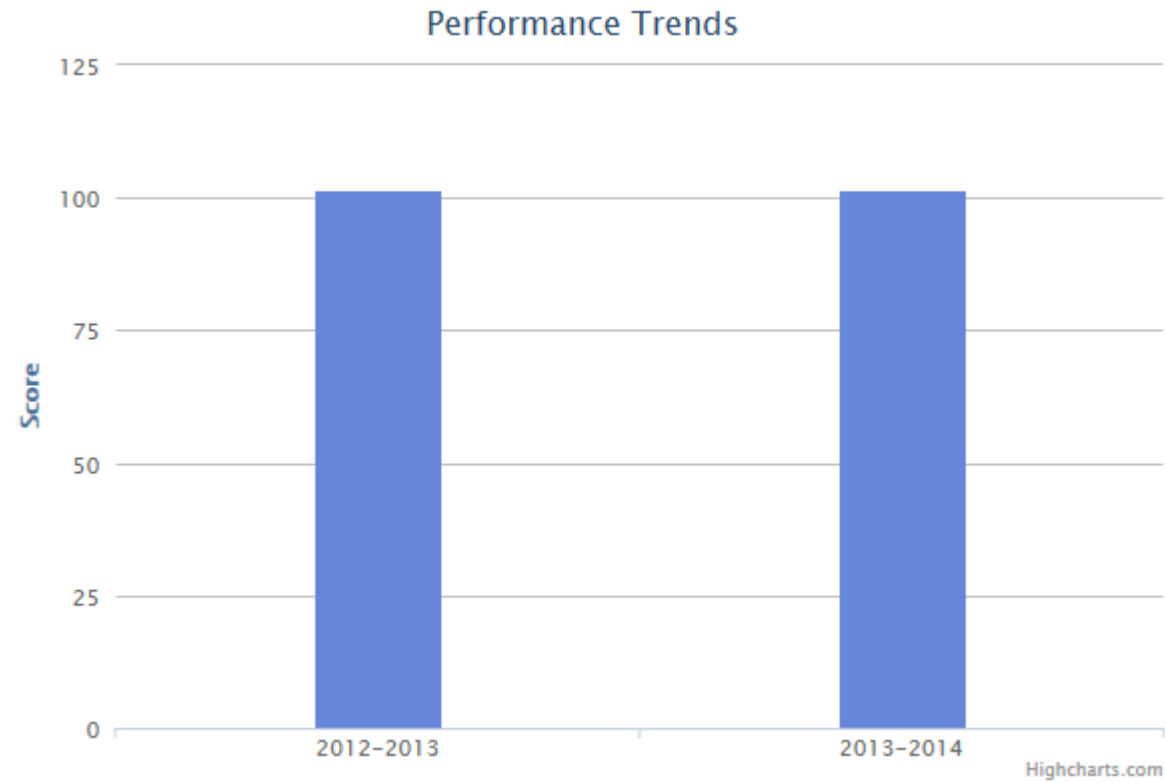
ACADEMIC PERFORMANCE DATA

# Building School Performance Profile (SPP)

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2013-2014: 101.4

2012-2013: 101.4



# Indicators of Achievement – Keystones/SAT/Industry Standards Based Tests

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## **How is academic achievement measured?**

For high school Students, the Keystone scores reflect students' best score to date for all 11th grade students enrolled in the school for the full academic year.

## **SAT/ACT College Ready Benchmark**

This performance measure represents the percent of 12th grade students scoring 1550 or higher on the SAT and/or 22 or higher on the ACT taken at any time over the course of their educational experience. The reported performance measure is determined by multiplying the actual percent by a factor of 2.5. The performance measure cannot exceed 100.

## **Industry Standards-Based Competency Assessments - Percent Competent or Advanced**

This performance measure represents the percent of students scoring Competent or Advanced on Industry Standards-Based assessments that include the NOCTI/NIMS assessments. [This data reflects NOCTI or NIMS student technical assessment results associated with a student's enrollment in an approved Career and Technical Education (CTE) program during the reported school year with related student CTE program instruction provided at this school or a Pennsylvania Secondary Career and Technical Center (CTC).]

# Keystone Scores

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	2012-2013	2013-2014
Mathematics – Percent Proficient or Advanced on Keystone	100	100
Reading - Percent Proficient or Advanced on Keystone	100	100
Science - Percent Proficient or Advanced on Keystone	98.87	99.42
SAT/ACT College Ready Benchmark		100

# Indicators of Academic Growth - PVAAS

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Pennsylvania Value Added Assessment System - PVAAS is a statistical analysis of Pennsylvania (PA) state assessment data, and provides Pennsylvania districts and schools with growth data to add to achievement data.

## **Growth:**

- Measures a student's growth across time; i.e., across years
- Not related to a student's demographics
- Compares student performance to his/her own prior performance
- Critical to ensuring a student's future academic success
- By measuring students' academic achievement AND growth, schools and districts have a more comprehensive picture of their own effectiveness in raising student achievement

# PVAAS for Downtown STEM Academy

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	2012-2013	2013-2014
Mathematics – Meeting Annual Academic Growth Expectations	100	100
Reading – Meeting Annual Academic Growth Expectations	100	86
Science – Meeting Annual Academic Growth Expectations	100	100

# Other Academic Indicators

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<b>Attendance Rates</b>	<b>2012-2013</b>	<b>2013-2014</b>
	96.90	96.16

<b>Cohort Graduation Rates</b>	<b>2012-2013</b>	<b>2013-2014</b>
	NA	NA

<b>Advanced Placement, International Baccalaureate or College Credit</b>	<b>2012-2013</b>	<b>2013-2014</b>
	100	100

<b>PSAT Participation</b>		<b>2013-2014</b>
Percent of 12 <sup>th</sup> grade students taking the PSAT (Greater than 60% = 100)		100

# Extra Credit for Advanced Achievement

Extra Credit for...	2012-2013	2013-2014
Percent of students scoring Advanced on Keystone– Mathematics/Algebra	82.48	55.81
Percent of students scoring Advanced on Keystone – Reading/Literature	50.28	45.35
Percent of students scoring Advanced on Keystone – Science	44.63	71.51
Percent 3 or higher on any AP Exam		100



# SAT Subject Scores (Average)

Math	Reading	Writing
631.17	617.19	627.66

# ACT Subject Scores (Average)

Math	Reading	English	Science
27.38	27.10	27.36	26.57

# Indicators of Closing the Achievement Gap (Science) – All Students

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Highcharts.com

# Questions?

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Contact the building principal or Kelly Byrne, Coordinator of Assessment and Accountability at [kbyrne@dasd.org](mailto:kbyrne@dasd.org)