



Science Data Presentation

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February 22, 2016



Presentation Objectives

- ✓ Develop a clear understanding of what the data are stating in Science.
- ✓ Examine the key features that are impacting students' learning and growth percentiles.
- ✓ Apply “Next Steps” strategies/initiatives.



New Jersey Assessment of Skills and Knowledge (NJASK)

NJASK is the state assessment given to students in grades 4 and 8 to assess their content knowledge in physical, earth, space, and life sciences.





Proficiency Growth Report – Grade 4

(2years)



2013-14 Proficiency Level	Percentage of Students	2014-15 Proficiency Level	Percentage of Students	Percent Growth
Advanced Proficient	7.1	Advanced Proficient	9.8	+ 2.7
Proficient	29.2	Proficient	55.2	+ 26
Partially Proficient	63.7	Partially Proficient	35	- 28.7

Proficiency Growth Report – Grade 8

(2years)



2013-14 Proficiency Level	Percentage of Students	2014-15 Proficiency Level	Percentage of Students	Percent Growth
Advanced Proficient	3.9	Advanced Proficient	1.6	- 2.3
Proficient	22.4	Proficient	36.8	+ 14.4
Partially Proficient	73.8	Partially Proficient	61.5	- 12.3



Progressive Science Initiative (PSI)

- During the 2014-15 school year, TPS piloted the Progressive Science Initiative Physics First Program Trenton at TCHS Chambers.
- During 2015-16 school year, the TPS added PSI Chemistry as well as AP Physics 1 and extended PSI Physics to TCHS West.
- The Progressive Science Initiative (PSI) is a technology and assessment based science program where assessments are directly correlated to Advanced Placement (AP) exams.



PSI Physics and Chemistry Participation Reports

Course	2013-14 Total Number of Students Participating	2014-15 Total Number of Students Participating	2015-16 Total Number of Students Participating
Physics	23	587	628
AP Physics	0	0	17

PSI Physics and Chemistry Proficiency Growth



Grade/Test Average	2013-14 Pre-PSI Total Number of Students	2014-15 (PSI) Total Number of Students
80 or higher	5	196
89 or higher	2	78



District Science Plan

Based upon our growth data, we want to continue with the implementation of our new science curriculum, which includes:

- Progressive Science Initiative (PSI)
- Project Based Learning (PBL)
- Argumentative Writing in Science
- Engineering
- Next Generation Science Standards (NGSS)



QUESTIONS