



NEW HAVEN PUBLIC SCHOOLS

The Connecticut State Department of Education released the results of the 2019 Next Generation Science Standards Assessment, taken by all Connecticut public school students in grades 5, 8, and 11. The State Board of Education adopted these new science standards in 2015, and the results of the 2019 testing are the first year in which students' achievement on these standards will be counted as part of district and school accountability measures.

New Haven Public Schools students have achieved a minimum level of science achievement, but there is much more work to be done. According to the results released, the percentage of NHPS students over all three grades meeting or exceeding these rigorous new standards is 26.6%, compared to the Connecticut state wide average of 51.2%. Another 41% of NHPS students are approaching the standard level, meaning 68% of students are approaching or above standard, compared to 82% state wide. Although low, NHPS students achieved at higher levels than five other cities overall, and seven other towns in 8th grade specifically.

Comparison to other urban districts is shown below:
 NGSS Science 2019 % Met or Exceeded (Level 3 &4)

District	ALL	5	8	11
CT	51.2	53.6	52.2	47.7
New Haven	26.6	31.2	29.2	17.2
Bridgeport	20.3	22.8	20.1	17.1
Hartford	25.1	24.3	28.5	21.6
New Britain	19.7	23.5	17.4	16.6
New London	24.6	28.7	25.2	18.4
Waterbury	25.2	34.4	20.4	19.3
Ansonia		29.3	-	
Manchester			29.1	
Windham		-		15.9
East Hartford			28.9	-

Besides the overall 24% achievement gap between New Haven and the Connecticut average, the district is also aware of a large gap between its students with special needs and English Language learners with the rest of the population. Some individual schools, such as ESUMS, Davis, MauroSheridan, WHooker, and JohnMartinez showed results consistently above average.

Plans for improving science achievement include:

- Across all grades : continued refinement of curriculum, professional development on claims, evidence and reasoning, development of aligned NGSS practice assessments.
- in elementary grades, reinvigorating the science kit program at a new space, integrating science curriculum across other subject areas, and providing professional development and coaching.
- in middle school, continuing cross school professional development, along with a new science coach position focused on new teachers.
- in high school, examination of curriculum and alignment to standards, and implementing with fidelity.



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SCHOOL LEVEL NGSS 2019 NGSS ASSESSMENT RESULTS NEW HAVEN

NHPS NGSS Science 2019 % Met or Exceeded (Level 3 &4)						
	All58	Grade 5	Grade 8			Grade 11
CT	52.9	53.6	52.2			47.7
NHPS	30	31	29		NHPS	17
NHPS ELL	11	15	5		NHPSELL	4
NHPS SPED	8	8	9		NHPSSPED	6
Atroup	13	12	14		CoopHigh	23
Barnard	23	27	15		ESUMS	40
Beecher	26	35	16		HSC	16
Betsy Ross	34	34	34		HillCareer	18
BishopWoods	25	20	29		Jhillhouse	5
Bjepson	28	28	29		MetroBus	12
BrennanRogers	19	19	20		NHAcad	19
Celentano	32	28	35		Riverside	0
Clinton	31	33	29		Sound	25
Columbus	24	15	33		WCross	15
ConteWest	34	47	19			
Davis	38	43	32			
EastRock	27	36	18			
Edgewood	45	62	23			
ESUMS	67		67			
FairHaven	11	10	12			
HillCentral	26	29	23			
Jdaniels	16	26	7			
Jmartinez	40	43	36			
KingRobinson	24	25	23			
LincolnBassett	17	17				
MASH	49	47	51			
NathanHale	32	35	28			
Quinnipiac	33	33				
Rclemente	15	11	19			
RossWoodward	32	28	37			
Truman	30	42	15			
WexlerGrant	20	14	26			
Whooper	76	81	71			