

Connecticut State Department of Education

SCHOOL PROFILE AND PERFORMANCE REPORT FOR SCHOOL YEAR 2024-25



Engineering - Science University Magnet School New Haven School District

475-220-6000 • <http://www.nhps.net>

School Information

Grade Range	6-12
Enrollment	608
Per Pupil Expenditures	\$17,137
Total Expenditures	\$10,282,153

Expenditure data reflect the 2023-24 school year.

Community Information

AdvanceCT Town Profiles provide summary demographic and economic information for Connecticut's municipalities at <https://www.advancect.org/site-selection/town-profiles>

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Notes

Unless otherwise noted, all data are for 2024-25 and include all grades offered by the school.

In most tables, data are displayed only for the three major race/ethnicity categories. For additional race/ethnicity categories, please visit <https://edsight.ct.gov>

For district totals, please see the district profile.
* When an asterisk is displayed, data have been suppressed to safeguard student confidentiality. Complete data suppression guidelines are available at <https://tinyurl.com/SuppressionPolicy>

N/A is displayed when a category is not applicable for a district or school.

Students

October 1, 2024 Enrollment

Student Group	School Count	School Percent (%)	District Percent (%)
Female	230	37.8	49.5
Male	378	62.2	50.4
Non-Binary	0	0.0	0.1
American Indian or Alaska Native	*	*	0.2
Asian	64	10.5	4.3
Black or African American	177	29.1	31.5
Hispanic or Latino of any race	151	24.8	50.5
Native Hawaiian or Other Pacific Islander	0	0.0	0.0
Two or More Races	*	*	3.9
White	165	27.1	9.6
English Learners/Multilingual Learners	44	7.2	24.1
Eligible for Free or Reduced-Price Meals	309	50.8	75.5
Students with Disabilities	29	4.8	16.3

The enrollment table represents students in grades PK-12 reported by the district in the Public School Information System (i.e., PSIS Reporting District).

Students with disabilities are students with an individualized education program (IEP) only. This category does not include students with Section 504 plans or services plans.

Chronic Absenteeism and Suspension/Expulsion

Student Group	Chronic Count	Chronic Rate (%)	Suspension Count	Suspension Rate (%)
Female	40	17.6	8	3.4
Male	49	13.2	20	5.2
Non-Binary	N/A	N/A	N/A	N/A
Black or African American	25	14.2	8	4.5
Hispanic or Latino of any race	32	21.8	9	6.0
White	18	11.3	6	3.6
English Learners/Multilingual Learners	7	16.3	*	*
Eligible for Free or Reduced-Price Meals	65	20.9	17	5.3
Students with Disabilities	*	*	*	*
All Students - School	89	14.9	28	4.6
All Students - District		32.1		7.7

A student is **chronically absent** if they miss ten percent or greater of the total number of days enrolled in the school year for any reason. Pre-Kindergarten students are excluded from this calculation.

A student is included in **suspension count/rate** if they received at least one in-school suspension, out-of-school suspension, or expulsion.

Number of students qualified as truant under state statute: 193
Number of school-based arrests: Fewer than 6

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Educators

Full-Time Equivalent (FTE) Staff

Role	FTE
General Education Teachers and Instructors	47.0
General Education Paraprofessionals	3.0
Special Education Teachers and Instructors	3.0
Special Education Paraprofessionals	1.0
School Level Administrators	3.0
Library/Media Specialists (Certified)	0.0
Library/Media Support Staff	0.0
Instructional Specialists Who Support Teachers	0.0
Counselors, Social Workers and School Psychologists	3.5
School Nurses	1.0
Other Staff Providing Non-Instructional Services/Support	10.0

In the **full-time equivalent count**, staff members working part-time in the school are counted as a fraction of full-time. For example, a teacher who works half-time in a school contributes 0.50 to the school's staff count.

Educators by Race/Ethnicity

Race/Ethnicity	School Count	School Percent (%)	District Percent (%)
American Indian or Alaska Native	0	0.0	0.1
Asian	2	3.5	2.3
Black or African American	17	29.8	15.9
Hispanic or Latino of any race	2	3.5	12.5
Native Hawaiian or Other Pacific Islander	0	0.0	0.1
Two or More Races	1	1.8	0.5
White	35	61.4	68.6

Classroom Teacher Attendance, 2023-24

Level	Average Number of FTE Days Absent Due to Illness or Personal Time
School	20.5
District	17.8

New! Educator Attrition: 2023-24

Educator Type	School Attrition Count	School Attrition Rate (%)	District Attrition Rate (%)
All Educators	9	15.3	12
Teachers	9	17.3	12.9

Teacher Attrition Rate is defined as the percent of certified teachers who were teaching in 2022-23 but were not teaching in 2023-24.

All Educator Attrition Rate is defined as the percent of certified educators who were staffed in a certified educator position in 2022-23 but were not staffed in a certified educator position in 2023-24.

Note: Certified educators/teachers may be assigned at the district level and/or to more than one school in a district. In addition, certified educators/teachers may leave a school but stay within the district. Therefore, the sum of school-level attrition totals may not match the district-level attrition total.

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Instruction and Resources

School-Level Expenditures: 2023-24

Expenditure	Total (\$)	Per Pupil (\$)
Instruction	\$8,361,927	\$13,937
Support Services - Students	\$442,205	\$737
Improvement of Instruction	\$74,527	\$124
Library and Media Services	\$4,218	\$7
Support Services - Instruction	\$1,558	\$3
Support Services - School-Based Administration	\$497,915	\$830
Operation and Maintenance of Plant	\$865,011	\$1,442
Transportation Other Than to/From Home	\$11,634	\$19
Enterprise Operations	\$23,157	\$39
Total	\$10,282,153	\$17,137

Total per pupil expenditures (PPE) including share of district central expenditures is \$21,109.

Expenditures may be supported by local tax revenues, state grants, federal grants, municipal in-kind services, tuition and other sources.

Students with Disabilities Spending 80% or Greater Time with Nondisabled Peers

Disability	Count	Rate (%)
Autism	*	*
Emotional Disability	N/A	N/A
Intellectual Disability	N/A	N/A
Learning Disability	10	*
Other Health Impairment	10	*
Other Disabilities	*	*
Speech/Language Impairment	6	*
All Disabilities - School	28	96.6
All Disabilities - District		0.0

This table includes students ages 6-21 with an IEP or services plan.

11th and 12th Graders Enrolled in College-and-Career-Readiness Courses during High School

Student Group	11th Count	11th Rate (%)	12th Count	12th Rate (%)
Black or African American	27	100.0	29	100.0
Hispanic or Latino of any race	17	*	18	*
White	20	100.0	25	100.0
English Learners/Multilingual Learners	*	*	*	*
Eligible for Free or Reduced-Price Meals	51	100.0	44	100.0
Students with Disabilities	*	*	*	*
All Students - School	81	100.0	82	100.0
All Students - District		69.8		85.6

College-and-Career-Readiness Courses include Advanced Placement®(AP), International Baccalaureate®(IB), Career and Technical Education(CTE), workplace experience and dual credit courses.

School Schedule

Category	Value
Days of Instruction	181
Hours of Instruction Per Year: Grades 1-12 and Full-Day Kindergarten	995
Hours of Instruction Per Year: Half/Extended Day Kindergarten	N/A
School Start Time	07:30 AM
School End Time	02:00 PM

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Performance and Accountability

School Performance Index (SPI)

A School Performance Index (SPI) is the average performance of students in a subject area (i.e., ELA, Mathematics or Science) on the state summative assessments. The SPI ranges from 0-100. An SPI is reported for all students tested in a school and for students in each individual student group. Connecticut's ultimate target for an SPI is 75.

Student Group	ELA Count	ELA SPI	Math Count	Math SPI	Science Count	Science SPI
American Indian or Alaska Native	0	N/A	0	N/A	0	N/A
Asian	41	78.8	41	78.4	20	80.7
Black or African American	92	59.7	92	54.0	44	52.0
Hispanic or Latino of any race	82	62.6	82	60.3	41	60.2
Native Hawaiian or Other Pacific Islander	0	N/A	0	N/A	0	N/A
Two or More Races	28	75.2	28	69.7	14	*
White	96	75.0	96	70.8	45	72.7
English Learners/Multilingual Learners	57	55.3	57	57.3	18	*
Non-English Learners/Non-Multilingual Learners	282	70.9	282	66.0	146	68.0
Eligible for Free or Reduced-Price Meals	171	61.4	171	56.9	86	58.5
Not Eligible for Free or Reduced-Price Meals	168	75.3	168	72.3	78	73.7
Students with Disabilities	19	*	19	*	9	*
Students without Disabilities	320	69.4	320	66.1	155	67.6
High Needs	189	61.0	189	57.5	92	57.7
Non-High Needs	150	77.5	150	73.4	72	76.1
School	339	68.3	339	64.5	164	65.8

National Assessment of Educational Progress (NAEP): Percent At or Above Proficient

Year	Subject	Grade	CT	National Public
2024	Reading	4	36%	30%
2024	Reading	8	35%	29%
2024	Math	4	42%	39%
2024	Math	8	32%	27%

NAEP is often called the "Nation's Report Card." It is sponsored by the U.S. Department of Education. This table compares Connecticut's performance to that of national public school students. Performance standards for state assessments and NAEP are set independently. Therefore, one should not expect performance results to be the same across Smarter Balanced and NAEP. Instead, NAEP results are meant to complement other state assessment data. Performance on NAEP by student group is available at <https://tinyurl.com/CTNAEP2024>

Physical Fitness Tests: Percent of Students Reaching Health Standard

Test	Grade 4 Percent (%)	Grade 6 Percent (%)	Grade 8 Percent (%)	HS Percent (%)	All Tested Grades Count	All Tested Grades Percent (%)
Sit & Reach	N/A	80.0	90.8	94.3	242	88.0
Curl Up	N/A	97.6	96.6	94.3	242	96.3
Push Up	N/A	80.0	78.2	81.4	242	79.8
Mile Run/PACER	N/A	85.9	78.2	57.1	242	74.8
All Tests - School	N/A	61.2	63.2	54.3	242	59.9
All Tests - District	55.4	48.2	39.9	35.3		44.4

The Connecticut Physical Fitness Assessment (CPFA) is administered to students in Grades 4, 6, 8 and High School (HS). The health-related fitness scores gathered through the CPFA should be used to educate and motivate children and their families to increase physical activity and develop lifetime fitness habits.

Note: Only students assessed in all four areas are included in the All Tests calculation.

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2023-24 Cohort Graduation: Four-Year

Student Group	Cohort Count	Rate (%)
Black or African American	33	87.9
Hispanic or Latino of any race	19	*
White	21	90.5
English Learners/Multilingual Learners	*	*
Eligible for Free or Reduced-Price Meals	39	84.6
Students with Disabilities	9	*
All Students - School	75	88.0
All Students - District		72.5

The four-year cohort graduation rate represents the percentage of first-time 9th graders who earn a standard high school diploma within four years.

Cohort count includes all students in the cohort as of the end of the 2023-24 school year.

11th and 12th Graders Demonstrating Postsecondary Readiness

Student Group	Count	Rate (%)
Female	40	57.1
Male	46	49.5
Non-Binary	N/A	N/A
Black or African American	20	35.7
Hispanic or Latino of any race	11	31.4
White	35	77.8
English Learners/ Multilingual Learners	*	*
Eligible for Free or Reduced-Price Meals	37	38.9
Students with Disabilities	*	*
All Students - School	86	52.8
All Students - District		36.2

Students demonstrate postsecondary readiness through at least one of the following:

- SAT® - meets benchmark on SAT, Revised SAT or Connecticut School Day SAT
- ACT® - meets benchmark score on 3 of 4 exams (benchmark score varies by subject)
- AP® - 3 or higher on any one AP® exam
- IB® - 4 or higher on any one IB® exam
- Earning three or more non-remedial college credits cumulatively during high school.

Sources:

SAT® and AP® statistics derived from data provided by the College Board.

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ACT® statistics derived from data provided by ACT, Inc.

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IB® statistics derived from data provided by the International Baccalaureate Organization.

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College Entrance and Persistence

Student Group	Class of 2024 Entrance Rate (%)	Class of 2023 Persistence Rate (%)
Female	90.5	*
Male	76.6	93.1
Non-Binary	N/A	*
Black or African American	72.4	85.7
Hispanic or Latino of any race	*	*
White	95.0	*
English Learners/ Multilingual Learners	*	*
Eligible for Free or Reduced-Price Meals	75.0	90.5
Students with Disabilities	*	*
All Students - School	80.9	92.2
All Students - District	56.2	80.0

College entrance refers to the percent of high school graduates from the year who enrolled in college any time during the first year after high school.

College persistence refers to the percent of students who enrolled in college the first year after high school and returned for a second year (Freshman to Sophomore persistence).

Source: National Student Clearinghouse

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Next Generation Accountability Results

Connecticut's Next Generation Accountability System is a broad set of 12 indicators that help tell the story of how well a district/school is preparing its students for success in college, careers, and life. It moves beyond test scores and graduation rates to provide a more holistic, multifactor perspective of district and school performance.

Indicator	Student Group	Index/Rate	Target	Points Earned	Max Points	% Points Earned	State Average Index/Rate
ELA Performance Index	All Students	68.3	75	45.5	50	91.1	64.7
ELA Performance Index	High Needs Students	61.0	75	40.7	50	81.4	54.9
Math Performance Index	All Students	64.5	75	43.0	50	86.0	61.1
Math Performance Index	High Needs Students	57.5	75	38.3	50	76.6	50.6
Science Performance Index	All Students	65.8	75	43.8	50	87.7	62.6
Science Performance Index	High Needs Students	57.7	75	38.4	50	76.9	52.1
ELA Academic Growth	All Students	56.8%	100%	56.8	100	56.8	60.6%
ELA Academic Growth	High Needs Students	49.0%	100%	49.0	100	49.0	55.7%
Math Academic Growth	All Students	67.0%	100%	67.0	100	67.0	62.3%
Math Academic Growth	High Needs Students	58.5%	100%	58.5	100	58.5	55.9%
Progress Toward English Proficiency	Literacy	59.0%	100%	29.5	50	59.0	58.7%
Progress Toward English Proficiency	Oral	68.9%	100%	34.4	50	68.9	55.7%
Chronic Absenteeism	All Students	14.9%	<=5%	30.2	50	60.5	17.2%
Chronic Absenteeism	High Needs Students	20.1%	<=5%	19.8	50	39.5	24.8%
% Taking CCR Courses	All Students	100.0%	75%	50.0	50	100.0	92.4%
% Meeting CCR Benchmark	All Students	52.8%	75%	35.2	50	70.3	47.2%
On-track to High School Graduation	All Students	99.4%	94%	50.0	50	100.0	85.9%
4-year Graduation Rate (2024 Cohort)	All Students	88.0%	94%	93.6	100	93.6	88.9%
6-year Graduation Rate (2022 Cohort)	High Needs Students	100.0%	94%	100.0	100	100.0	87.3%
Postsecondary Entrance (Class of 2024)	All Students	80.9%	75%	100.0	100	100.0	67.0%
Physical Fitness % Meeting Health Standard	All Students	59.9%	75%	39.9	50	79.9	49.0%
Arts Access	All Students	26.0%	60%	21.6	50	43.3	55.1%
Accountability Index				1085.5	1450	74.9	

Physical Fitness Estimated Participation Rate - School: 92.4% | State: 95.6%

NOTE: A dot (.) appears in the table above when there are fewer than 20 students in the student group or the indicator is not applicable based on grades served.

Gap Indicator	Non-High Needs Rate	High Needs Rate	Size of Gap	State Gap Mean +1 Stdev	Is Gap an Outlier?
ELA Performance Index Gap	75.0	61.0	14.0	17.1	N
Math Performance Index Gap	73.4	57.5	16.0	18.6	N
Science Performance Index Gap	75.0	57.7	17.3	18.3	N
Graduation Rate Gap	94.0%	100.0%	0.0%	6.5%	N

If the Non-High Needs Rate exceeds the ultimate target (75 for Performance Index and 94% for graduation rate), the ultimate target is used for gap calculations.

If the size of the gap exceeds the state mean gap plus one standard deviation, the gap is an outlier.

NOTE: A dot (.) appears in the table above when there are fewer than 20 students in at least one of the student groups used to calculate the gap measure or the indicator is not applicable based on grades served. Gap calculations are based on unrounded rates.

Subject	Student Group	Participation Rate (%)
ELA	All Students	99.4
ELA	High Needs Students	99.5
Math	All Students	99.4
Math	High Needs Students	99.5
Science	All Students	97.6
Science	High Needs Students	96.8

Minimum participation standard is 95%.

Supporting Resources: <https://public-edsight.ct.gov/Overview/Next-Generation-Accountability-Dashboard#related-links>