

HPS & CREC Magnet School Analysis

How have HPS Magnet Schools performed compared to CREC Magnet Schools?

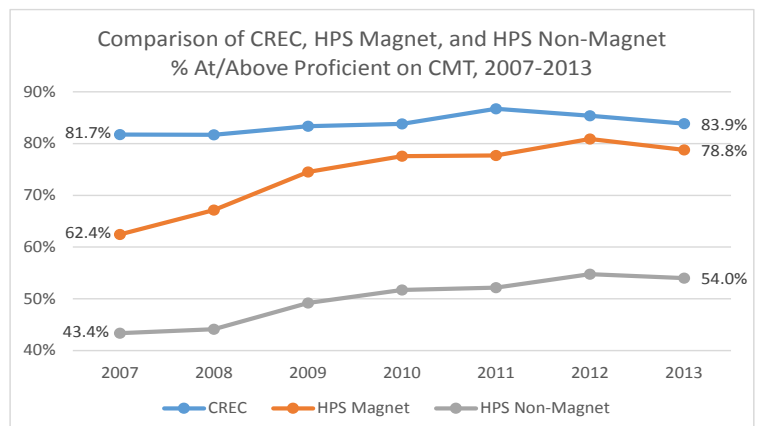
This report analyzes the performance of Hartford Public Schools (HPS) magnet schools in relationship to magnet schools operated by the Capitol Region Education Council (CREC). CREC is a regional education service in Connecticut that independently operates a number of magnet schools in the Hartford region to which Hartford students may apply. Given that CREC schools serve a similar population of students to HPS magnet schools, it is valuable to consider which schools have the strongest performance on state standardized tests and how these results have changed over time. It is worth noting that on average, CREC magnets serve a smaller percentage of high poverty students than HPS magnets. Additional reports will be created analyzing the performance of Hartford residents in CREC magnet schools.

Comparison of CMT and CAPT Results

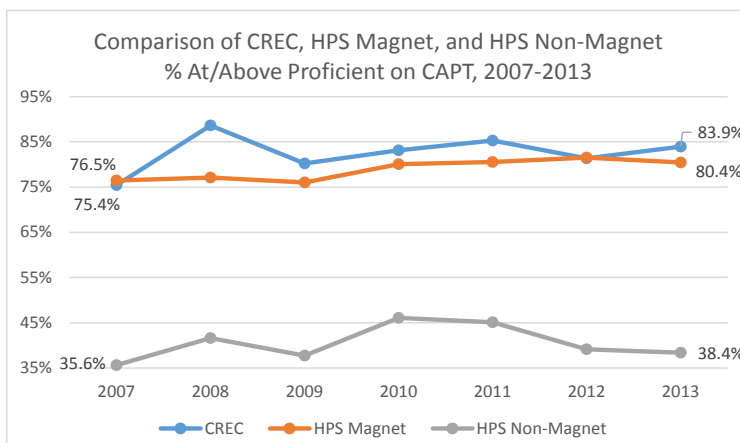
The Connecticut Mastery Test (CMT) and the Connecticut Academic Performance Test (CAPT) were administered on an annual basis to students in grades 3 through 8 (CMT) and in grade 10 (CAPT) to assess how well students, schools, and districts in Connecticut are meeting the standards of achievement set by the State Department of Education. The CMT and CAPT were phased out after the 2012-13 school year with the adoption of the Common Core State Standards.

CMT

Looking at student results on the CMT (all subjects combined) from 2007 to 2013, data show that CREC schools have consistently outperformed Hartford Public Schools magnet schools. In 2007, 81.7% of CREC students were at/above proficient on the CMT, compared to 62.4% of students in HPS magnet schools. Over time, the gap has closed from 19.3 points in 2007 to 5.1 points in 2013 thanks largely to improvements in HPS magnet scores. Both CREC and HPS magnet schools significantly outperform HPS non-magnet public schools. In 2013, only 54% of students in non-magnet HPS schools scored at/above proficient on the CMT.



CAPT



CREC magnet high schools and HPS magnet high schools have performed at similar levels since 2007 on the CAPT. In that year, 75.4% of tested students in CREC magnet schools scored at/above proficient on the CAPT, and 76.5% of HPS magnet school students were at/above proficient. Five years later, overall proficiency increased for both groups and the percentage of students at/above proficient on the CAPT was 3.5 points lower in HPS magnets than CREC magnet schools. Non-magnet HPS high schools scored at far lower levels, with only 38.4% of students at/above proficient on the CAPT in 2013.

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Ranking of Schools - CMT

CREC student performance on the CMT widely varies by school. A comparison of CREC magnet (highlighted in green below) and HPS magnet school (in blue) performance in 2013 reveals that the top four performers on the CMT were CREC schools. In fact, three CREC schools were the only schools to have more than 90% of their students score at/above proficient on the CMT in 2013. On the other hand, two CREC magnet and two HPS magnet schools (Hooker and Capital Preparatory for HPS, and Greater Hartford Academy of the Arts and Public Safety Academy) were among the four lowest-performing schools in this group. Also of note is the performance of Achievement First. Although this school is not a magnet school, its student body is composed entirely of Hartford residents and was among the highest-performing schools in 2013.

School	2012-2013 CMT % at/above Prof
Medical Professions & Teacher Preparation Academy	92.9%
University of Hartford Magnet	91.0%
Montessori Magnet	90.2%
Metropolitan	88.8%
Noah Webster MicroSociety Magnet	87.6%
Academy of Aerospace & Engineering	85.5%
STEM Magnet at Annie Fisher	85.5%
Two Rivers Magnet	84.9%
Glastonbury-East Hartford Magnet	82.7%
Achievement First	81.5%
Museum Academy	81.3%
Sport and Medical Science Academy	81.0%
Hartford Magnet Trinity College Academy	80.0%
RJ Kinsella Magnet School of Performing Arts	79.4%
Classical Magnet School	78.8%
Breakthrough Magnet	78.3%
Montessori Magnet at Annie Fisher	78.3%
Environmental Sciences Magnet at Mary Hooker	74.8%
Greater Hartford Academy of the Arts Elementary	74.3%
Capital Preparatory Magnet	71.7%
Public Safety Academy	66.0%

*HPS Schools are highlighted in Purple and CREC Magnet Schools are highlighted in Green.

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Ranking of Schools - CAPT

In a comparison of CREC magnet high schools and HPS magnet high schools, CREC magnet schools are again both top and average performers. More than 85% of tested students at the Metropolitan Learning Center, Greater Hartford Academy of the Arts, and the Academy of Aerospace and Engineering were at/above proficient on the CAPT in 2013, and the Academy of Aerospace and Engineering was the only school in this comparison to score above 90% at/above proficient. Only one HPS school, University High School, scored above 85% at/above proficient on the CAPT. In contrast, two CREC schools (Public Safety Academy and Medical Professions and Teacher Preparation Academy) were among the lowest performing magnet schools, with fewer than 75% at/above proficient on the CAPT in 2013. Only one HPS school, Great Path, scored below 75% in 2013.

District	2012-2013 CAPT % at/above Prof
Academy of Aerospace and Engineering	97.7%
University High School of Science and Engineering	87.4%
Greater Hartford Academy of the Arts	87.1%
Metropolitan Learning Center for Global and International Studies	86.2%
Classical Magnet	84.2%
Sport and Medical Science Academy	80.3%
Hartford Magnet Trinity College Academy	79.8%
Pathways Academy of Technology and Design	78.9%
Capital Preparatory Magnet	75.7%
Public Safety Academy	73.8%
Medical Professions & Teacher Preparation Academy	72.3%
Great Path Academy at Manchester Community College	70.2%

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Unmatched Cohort Analysis

Finally, our analysis compares results for cohorts of students in magnet schools as they advance through grades. Since no attrition data was available, this analysis does not take into consideration students entering or leaving the schools during the cohort. This chart presents the performance of two student cohorts who began third grade in 2007 and in 2008. While the two cohorts of CREC magnet school students performed at higher levels from 3rd through 8th grade, the HPS student cohorts attained much larger gains as they progressed through the grades. The two CREC cohorts increased by 1.0 and 1.1 point per year, while the HPS magnet cohorts increased by 5.4 and 4.0 points per year.

