

## 2018 Field Guide to Education: Full Citations & Detailed Methodology Notes

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Is our state ready?		
2	Key terms explained	Choose Success! A Guide to Public School Choice for Students and Their Families. Bureau of Choice Programs, Office of Students Supports and Organizational Effectiveness, Connecticut State Department of Education, 2013, <a href="http://www.sde.ct.gov/sde/cwp/view.asp?a=2681&amp;q=335070&amp;sdePNavCtr= #45453">http://www.sde.ct.gov/sde/cwp/view.asp?a=2681&amp;q=335070&amp;sdePNavCtr= #45453</a> .
6	Improving education outcomes strengthens our economy	<p>Hanushek, Eric, et al. It Pays to Improve School Quality: States That Boost Student Achievement Could Reap Large Economic Gains. EducationNext, vol. 16, no. 3, 2016, <a href="http://educationnext.org/pays-improve-school-quality-student-achievement-economic-gain">http://educationnext.org/pays-improve-school-quality-student-achievement-economic-gain</a>.</p> <p>The Economic Benefits of Increasing the High School Graduation Rate for Public School Students in Connecticut. Alliance for Excellent Education, 2015, <a href="http://impact.all4ed.org/#potential/income/connecticut/all-students">http://impact.all4ed.org/#potential/income/connecticut/all-students</a>.</p>
7	The new economy	<p>Carnevale, Anthony, et al. America's Divided Recovery: College Haves and Have-Nots. Center on Education and the Workforce, McCourt School of Public Policy, Georgetown University, 2016, <a href="https://cew.georgetown.edu/cew-reports/americas-divided-recovery">https://cew.georgetown.edu/cew-reports/americas-divided-recovery</a>.</p> <p>Ba Tran, Andrew. Economic Recovery Leaving Behind Those Who Did Not Go to College. TrendCT, Connecticut Mirror, 2016, <a href="https://trendct.org/2016/07/13/countrys-economic-recovery-leaving-behind-those-who-did-not-go-to-college">https://trendct.org/2016/07/13/countrys-economic-recovery-leaving-behind-those-who-did-not-go-to-college</a>.</p>
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9	Rising workforce demands	Carnevale, Anthony, et al. Recovery: Job Growth and Education Requirements Through 2020. Center on Education and the Workforce, McCourt School of Public Policy, Georgetown University, 2013, <a href="https://cew.georgetown.edu/cew-reports/recovery-job-growth-and-education-requirements-through-2020">https://cew.georgetown.edu/cew-reports/recovery-job-growth-and-education-requirements-through-2020</a>

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11	But not all our graduates are ready	Franklin, Danny. Connecticut Voters' Views on Education. Benenson Strategy Group, 2016, <a href="https://www.scribd.com/document/328870409/ConnCAN-BSG-Interested-Parties-Memo">https://www.scribd.com/document/328870409/ConnCAN-BSG-Interested-Parties-Memo</a> .  National Student Clearinghouse StudentTracker for High Schools Aggregate Report Prepared for Connecticut State Board of Education. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov/NSC%20Reports/9999970hs_10001735_10001735_62079_BASIC_EFFDT_20161117_RUNDT_20161221160227373.pdf">http://edsight.ct.gov/NSC%20Reports/9999970hs_10001735_10001735_62079_BASIC_EFFDT_20161117_RUNDT_20161221160227373.pdf</a> .  Credit Attainment and Remediation: Results from P20WIN for the Graduation Cohort of 2011. EdSight, Connecticut State Department of Education, 2015, <a href="http://edsight.ct.gov/relatedreports/Credit%20Attainment%20and%20Remediation%20-%20Graduation%20Cohort%20of%202011.pdf">http://edsight.ct.gov/relatedreports/Credit%20Attainment%20and%20Remediation%20-%20Graduation%20Cohort%20of%202011.pdf</a> .
12	College readiness gaps	Credit Attainment and Remediation: Results from P20WIN for the Graduation Cohort of 2011. EdSight, Connecticut State Department of Education, 2015, <a href="http://edsight.ct.gov/relatedreports/Credit%20Attainment%20and%20Remediation%20-%20Graduation%20Cohort%20of%202011.pdf">http://edsight.ct.gov/relatedreports/Credit%20Attainment%20and%20Remediation%20-%20Graduation%20Cohort%20of%202011.pdf</a> .  Barry, Mary Nguyen, and Michael Dannenberg. Out of Pocket: The High Cost of Inadequate High Schools and High School Student Achievement on College Affordability. Education Reform Now, 2016, <a href="https://edreformnow.org/wp-content/uploads/2016/04/EdReformNow-O-O-P-Embargoed-Final.pdf">https://edreformnow.org/wp-content/uploads/2016/04/EdReformNow-O-O-P-Embargoed-Final.pdf</a> .
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13	College completion gaps	College Enrollment, Retention, and Graduation: Statewide Results. EdSight, Connecticut State Department of Education, 2015, <a href="http://edsight.ct.gov/relatedreports/College%20Enrollment%20Statewide%20Results%202015.pdf">http://edsight.ct.gov/relatedreports/College%20Enrollment%20Statewide%20Results%202015.pdf</a> .
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16	Jobs of the future	Manyika, James, et al. A Future That Works: Automation, Employment, and Productivity. McKinsey Global Institute, McKinsey & Company, 2017, <a href="http://www.mckinsey.com/global-themes/digital-disruption/harnessing-automation-for-a-future-that-works">http://www.mckinsey.com/global-themes/digital-disruption/harnessing-automation-for-a-future-that-works</a> .  Equity and Excellence in Education for All Connecticut Students: Process Support Materials - Data Collection & Analysis Results. Connecticut Alliance of Regional Education Service Centers, Connecticut State Department of Education, Connecticut State Board of Education, 2016, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/board/boardmaterials040616/csde_strategic_planning_support_materials_report_draft.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/board/boardmaterials040616/csde_strategic_planning_support_materials_report_draft.pdf</a> .  Data Table: Performance > CMT/CAPT Science > Grade 10 2016-2017. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a> .  Data Table: Performance > SAT/AP/PSAT > Connecticut School Day SAT 2016-2017. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a> .  The Future of Jobs: Employment, Skills and Workforce Strategy for the Fourth Industrial Revolution. World Economic Forum, 2016, <a href="http://www3.weforum.org/docs/WEF_Future_of_Jobs.pdf">http://www3.weforum.org/docs/WEF_Future_of_Jobs.pdf</a> .

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<b>Are our students ready?</b>		
18	Our student population is changing	Data Table: Students > Enrollment Counts > Public School Enrollment 2007-2017. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a> .
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21	NAEP: The Nation's Report Card	National Assessment of Educational Progress (NAEP) Data Explorer. National Center for Education Statistics (NCES), Institute of Education Sciences (IES), U.S. Department of Education, 2015, <a href="https://nces.ed.gov/nationsreportcard/naepdata/dataset.aspx">https://nces.ed.gov/nationsreportcard/naepdata/dataset.aspx</a> .

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21	NAEP: The Nation's Report Card	The Nation's Report Card: Reading State Snapshot Report, Connecticut, Grade 4, Public Schools. National Center for Education Statistics (NCES), Institute of Education Sciences (IES), U.S. Department of Education, 2015, <a href="https://nces.ed.gov/nationsreportcard/subject/publications/stt2015/pdf/2016008CT4.pdf">https://nces.ed.gov/nationsreportcard/subject/publications/stt2015/pdf/2016008CT4.pdf</a> .
22	NAEP: Persistent achievement gaps	National Assessment of Educational Progress (NAEP) Data Explorer. National Center for Education Statistics (NCES), Institute of Education Sciences (IES), U.S. Department of Education, 2015, <a href="https://nces.ed.gov/nationsreportcard/naepdata/dataset.aspx">https://nces.ed.gov/nationsreportcard/naepdata/dataset.aspx</a> .
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24-25	Raising the bar: SBAC ELA & math	<p>State Test Scores Up Slightly in Mathematics. Communications Office, Connecticut State Department of Education, 2017, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/pressroom/smarter_balanced_results_2016-17_press_release.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/pressroom/smarter_balanced_results_2016-17_press_release.pdf</a>.</p> <p>Smith, Abbe. State Test Scores Up Across the Board. Connecticut State Department of Education, 2016, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/pressroom/2015_16_state_test_scores_up.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/pressroom/2015_16_state_test_scores_up.pdf</a>.</p> <p>Data Table: Performance &gt; Smarter Balanced 2015-2017. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a>.</p>
26	Measuring growth: SBAC student growth model	<p>Connecticut's Growth Model for the Smarter Balanced Summative Assessments: English Language Arts (ELA) and Mathematics. Performance Office, Connecticut State Department of Education, 2016, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/evalresearch/connecticut_growth_model_october_2016_without_narration.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/evalresearch/connecticut_growth_model_october_2016_without_narration.pdf</a>.</p> <p>Data Table: Performance &gt; Smarter Balanced &gt; Smarter Balanced Growth Model 2016-2017. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a>.</p>
27	Measuring growth: Standout districts	<p>Data Table: Performance &gt; Smarter Balanced &gt; Smarter Balanced Growth Model &gt; Free/Reduced Price Meal Eligibility (2-Level) 2016-2017. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a>.</p> <p>Data Table: Students &gt; Enrollment Counts &gt; Public School Enrollment &gt; Free/Reduced Price Meal Eligibility 2016-2017. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a>.</p> <p><b>For detailed methodology note, see next page.</b></p>

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27	Measuring growth: Standout districts	<p><b>Detailed methodology note:</b> Standout district categories created by ConnCAN by: (1) categorizing districts that enroll more than the statewide free or reduced price lunch (FRPL) student enrollment rate (36%) as having a large low-income population and (2) categorizing districts that enroll more than 2,000 students (the median district size rounded to the nearest thousand) as a large district overall, and (3) maintaining that anything below these thresholds would be considered as having a small low-income population and/or a small district overall.</p>
28	Raising the bar: SAT School Day	<p>SAT Scores Up in English Language Arts and Mathematics. Communications Office, Connecticut State Department of Education, 2017, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/pressroom/sat_results_2016-17_press_release_08012017.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/pressroom/sat_results_2016-17_press_release_08012017.pdf</a>.</p> <p>Data Table: Performance &gt; SAT/AP/PSAT &gt; Connecticut School Day SAT 2016-2017 and Report Notes. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a>.</p> <p>Benchmarks. SAT Suite of Assessments, The College Board, 2017, <a href="https://collegereadiness.collegeboard.org/about/scores/benchmarks">https://collegereadiness.collegeboard.org/about/scores/benchmarks</a>.</p>
29	Statewide improvements: Student-level gaps	<p>Wentzell, Dianna. The Condition of Education in Connecticut 2015-2016. Connecticut State Department of Education, Connecticut State Board of Education, 2017, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/board/boardmaterials061417/receipt_of_the_condition_of_education_report.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/board/boardmaterials061417/receipt_of_the_condition_of_education_report.pdf</a>.</p> <p>Data Table: Home &gt; Assessment Data &gt; AP Data &gt; AP Program Participation and Performance Data 2017 &gt; Connecticut &gt; Public Candidates 2016-2017. Program Research and Publications, The College Board, 2017, <a href="https://research.collegeboard.org/programs/ap/data/participation/ap-2017">https://research.collegeboard.org/programs/ap/data/participation/ap-2017</a>.</p> <p>About AP Scores. AP, The College Board, 2017, <a href="https://apscore.collegeboard.org/scores/about-ap-scores">https://apscore.collegeboard.org/scores/about-ap-scores</a>.</p>
30	Measuring better: Next Generation Accountability	<p>Using Accountability Results to Guide Improvement (Revised). Performance Office, Connecticut State Department of Education, 2017, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/evalresearch/using_accountability_results_to_guide_improvement_20160228.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/evalresearch/using_accountability_results_to_guide_improvement_20160228.pdf</a>.</p> <p>ESEA Flexibility Renewal: Connecticut's "Next Generation" Accountability System. Performance Office, Connecticut State Department of Education, 2016, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/evalresearch/next_generation_accountability_system_march_2016.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/evalresearch/next_generation_accountability_system_march_2016.pdf</a>.</p>
31	Measuring better: Schools of Distinction	<p>Next Generation Accountability: Schools of Distinction 2015-2016. Performance Office, Connecticut State Department of Education, 2017, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/evalresearch/2015-16schoolsofdistinction.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/evalresearch/2015-16schoolsofdistinction.pdf</a>.</p>

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32	Measuring better: Results by indicator	Statewide Report: Connecticut's Next Generation Accountability System Results 2015-2016. Performance Office, Connecticut State Department of Education, 2017, <a href="http://www.sde.ct.gov/sde/cwp/view.asp?a=2683&amp;Q=334346">http://www.sde.ct.gov/sde/cwp/view.asp?a=2683&amp;Q=334346</a> .
33	The price of empty desks	<p>Reducing Chronic Absence in Connecticut's Schools: A Prevention and Intervention Guide for Schools and Districts. Connecticut State Department of Education, 2017, <a href="http://www.sde.ct.gov/sde/cwp/view.asp?a=2663&amp;q=336658">http://www.sde.ct.gov/sde/cwp/view.asp?a=2663&amp;q=336658</a>.</p> <p>All Students in School &amp; Engaged! Reducing Chronic Absenteeism. Connecticut State Department of Education, Connecticut State Board of Education, 2016, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/board/boardmaterials110216/presentation_of_report_chronic_absenteeism.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/board/boardmaterials110216/presentation_of_report_chronic_absenteeism.pdf</a>.</p> <p>Data Table: Students &gt; Attendance &gt; Chronic Absenteeism 2016-2017. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a>.</p>
34	The high cost of dropping out	<p>Untapped Potential: Engaging All Connecticut Youth. Parthenon-Ernst &amp; Young Education practice, Ernst &amp; Young LLC, Dalio Foundation, 2016, <a href="https://ctopportunityproject.org/wp-content/themes/dalioreport/PDFs/Untapped%20Potential%20-%20September%202016%20Report.pdf">https://ctopportunityproject.org/wp-content/themes/dalioreport/PDFs/Untapped%20Potential%20-%20September%202016%20Report.pdf</a>.</p> <p>American Community Survey 5-Year Estimates, Connecticut: Table S2301 Employment Status 2011-2015. American FactFinder, U.S. Census Bureau, U.S. Department of Commerce, 2017, <a href="https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/S2301/0400000US09">https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/S2301/0400000US09</a>.</p> <p>Carnevale, Anthony, et al. The College Payoff: Education, Occupations, Lifetime Earnings. Center on Education and the Workforce, McCourt School of Public Policy, Georgetown University, 2014, <a href="https://cew.georgetown.edu/cew-reports/the-college-payoff">https://cew.georgetown.edu/cew-reports/the-college-payoff</a>.</p> <p>Databases, Tables &amp; Calculators by Subject: CPI Inflation Calculator. Bureau of Labor Statistics, U.S. Department of Labor, 2017, <a href="https://www.bls.gov/data/inflation_calculator.htm">https://www.bls.gov/data/inflation_calculator.htm</a>.</p>

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48	Connecticut's schools and programs	<p>Wentzell, Dianna. The Condition of Education in Connecticut 2015-2016. Connecticut State Department of Education, Connecticut State Board of Education, 2017, <a href="http://www.sde.ct.gov/sde/lib/sde/pdf/board/boardmaterials061417/receipt_of_the_condition_of_education_report.pdf">http://www.sde.ct.gov/sde/lib/sde/pdf/board/boardmaterials061417/receipt_of_the_condition_of_education_report.pdf</a>.</p> <p>Data Table: Overview &gt; Find School/District &gt; All Open Organizations and Report Notes. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a>.</p> <p>Data Table: Overview &gt; Find School/District &gt; Magnet Schools. EdSight, Connecticut State Department of Education, 2017, <a href="http://edsight.ct.gov">http://edsight.ct.gov</a>.</p> <p><b>Detailed methodology note:</b> <i>Magnet Schools</i> includes all full-time magnet schools regardless of inter- or intradistrict status or type of district operator (traditional or Regional Education Service Center). <i>State agency facilities</i> refer to schools in one of two state unified school districts operated by the Department of Correction and the Department of Children and Families. Endowed and Incorporated Academies are considered private-public schools because they operate as independent institutions while also serving as the primary public high school for students in a given region and have hybrid private-public funding and governance structures. <i>Alternative</i> includes Alternative, Dropout Diversion/Credit Recovery, and Expulsion Programs. <i>Vocational/Technical</i> includes Agricultural Science and Technology Education and Technical Satellite programs. <i>Special Education</i> includes Public School-Based Transition Program, Special Education, and Transition Community-Based programs.</p>

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