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THE MICHIGAN CONTEXT AND PERFORMANCE REPORT CARD

— HIGH SCHOOLS 2016 —

By Ben DeGrow and Ronald Klingler



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The Mackinac Center for Public Policy

The 2016 Michigan Public High School Context and Performance Report Card

By Ben DeGrow and Ronald Klingler

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Introduction*

The 2016 Michigan Public High School Context and Performance Report Card is the third edition in a series of analyses designed to measure high school performance. The first report was published in 2012 and was followed by a 2014 analysis. This report is a school-level assessment of academic performance based on a four-year average of state standardized tests. This report card is unique in that it takes into consideration the socioeconomic status of students when assessing an individual school's performance.

The goal of this report card is to better inform the debate around relative school effectiveness and to provide parents, educators and school leaders with a more accurate picture of school performance. Unfortunately, many of the official state rankings and grades handed out by the Michigan Department of Education do not take student poverty rates into account when measuring performance. For example, the state's Top-to-Bottom Rankings more accurately serve as a proxy for student poverty than as a helpful measure of school quality.[†]

This report includes a brief explanation of the data and methodology used to rank schools, as well as more statistical information in adjoining appendices. Selected results are also presented, including the best- and worst-performing high schools in the state according to this analysis. Finally, this report card includes a full list of all the results for every public high school, including their letter grade and statewide percentile rank.

Data and Methods

The research methodology used for this report card is based on a 2006 University of Arkansas study and previously published Mackinac Center report cards, with slight adjustments (see Appendix B for more detail). It uses regression analysis to predict how well each school would perform given the socioeconomic makeup of their students. Schools are then ranked by how well they actually performed on state standardized tests relative to their predicted performance.

To capture the socioeconomic differences among Michigan high schools, this study compares the percentage of enrolled 11th-grade students in each school who were eligible for free school lunches through the federal National School Lunch Program. Eligibility for a free lunch is based on a student's household income. Though the percentage of students eligible for a reduced-price lunch is also commonly included as a proxy for socioeconomic status in education research, using

* Some language used in this study appears in previously published Mackinac Center publications.

† Audrey Spalding, "Michigan's Top-to-Bottom Ranking: A Measure of School Quality or Student Poverty?" (Mackinac Center for Public Policy, Oct. 10, 2013), <https://perma.cc/3MNN-NHP5>. MDE has recently announced plans to update its school rating system. Among other improvements, the system is slated to provide significant weight to measures of student academic growth, and not just raw achievement scores. MDE is soliciting public input concerning the school rating system's components and design. Whether and to what extent the new system proves to remedy the current system's shortcomings remain to be seen. It is scheduled to launch in the 2017-18 school year.

the percentage of students eligible only for a free lunch proved to be a better predictor of student academic outcomes.*

Consistent with past studies of student achievement, the statistical results from our analysis show that the percentage of students eligible for free lunch is negatively correlated to average academic achievement. In other words, the higher the percentage of a high school's students eligible for a free lunch, the lower that high school's average score on standardized tests tends to be.

Academic performance was measured using average standardized test scores from the 2012, 2013, 2014 and 2015 Michigan Merit Examinations. State law requires that the MME be administered to all enrolled 11th-graders as a condition of receiving state aid.† Through the spring of 2014, the MME was made up of five different subject tests and the ACT test, a college admissions exam created by ACT Inc., an independent, nonprofit organization. In 2015, MME's battery of five subject tests that accompanied the ACT was replaced by four online interim M-STEP subject tests in English language arts, mathematics, science and social studies.‡

A strong correlation exists between a high school's average scores on MME subject tests and ACT subject tests in math, reading, writing and science. For this reason, and in the interest of simplifying the model, this report card uses only average ACT composite scores and average MME or M-STEP subject scores. The explanation for the slight methodological deviation from previous versions can be found in Appendix B.

A school's MME or M-STEP performance in a subject was standardized, then the test subjects were averaged together to get an overall score. The overall score was again averaged with the overall ACT performance to give an adjusted score. For each of the four years examined, a school's adjusted academic performance was compared with its predicted performance, based on the percentage of students receiving free lunch. The results from these calculations were multiplied by 100 to produce a score for each school in a given year. A four-year overall average score was then calculated based on these annual scores.

In a change from previous versions of the report card, the overall score was made by averaging a schools adjusted performance over four years and using a four-year average of the school's free lunch rate to create the predicted scores. This was done to reduce the effects of outlying years of high or low performance. The result was an easily comparable "Context and Performance Score"

* Audrey Spalding, "The Michigan Context and Performance Report Card: Public Elementary and Middle Schools, 2013" (Mackinac Center for Public Policy, June 28, 2013), 36–37, <https://perma.cc/8KWN-ZLYU>. Further, as noted in the Center's 2012 and 2014 high school report cards, the reader should be aware that it is possible that certain high schools are more successful at identifying and reporting students as being eligible for the National School Lunch Program. If these schools also tend to perform systematically different from other high schools, the inclusion of free lunch eligibility in the model may lead to classification bias. The extent to which this happens is unknown.

† MCL § 388.1704b.

‡ See Appendix B for an explanation of predictive consistency between the tests. Also of note, the MME since has replaced the ACT with the Scholastic Aptitude Test. The change took effect for Michigan 11th graders immediately after the period studied in this report, with the first required SAT taken in the spring of 2016.

for each of the 639 high schools for which data were available.* Through the remainder of the text, we will refer to this measure as the “CAP Score.”

A CAP Score below 100 indicates that a high school’s average performance was below its predicted level, given the relative level of student poverty, while a CAP Score above 100 indicates a score that exceeded the predicted level. The CAP Scores were also used to assign letter grades to each school. The letter grades were based on a standard bell curve distribution, with 10 percent of schools receiving A’s, 20 percent receiving B’s, 40 percent receiving C’s, 20 percent receiving D’s and 10 percent receiving F’s.

These grades and CAP Scores are relative. In other words, they are not based on an absolute standard of academic performance. Instead, they indicate how each high school compares to other high schools on multiple years of standardized tests given the school’s respective student populations. By definition, the average of the scores for all of the public high schools in the state is 100, corresponding to a C.

Finally, a percentile rank was also calculated for each CAP Score. This rank shows what percentage of high schools had lower CAP Scores than any particular school. This, too, provides an easy method for comparing high schools.

Classifying Schools

As noted in the previous section, the percentage of students eligible for free lunch at a school is a significant predictor of a high school’s average academic performance. A school’s “locale” — urban, suburban, town or rural — provides another way of comparing schools throughout the state. In the tables below, each school’s locale category is included, and the four locale classifications are further subdivided into three subgroups apiece: large cities, midsize cities and small cities; large suburbs, midsize suburbs and small suburbs; fringe towns, distant towns and remote towns; and fringe rural, distant rural and remote rural.

Some public high schools in Michigan use selective admissions policies that require students to meet certain academic requirements in order to enroll. Average test scores from these selective schools are often higher than those from schools without such policies. These high schools are labeled “selective” in the report card. We also attempted to remove from this analysis any specialty high schools, ones serving only alternative education students or special education students, for example. Schools classified as such in government databases were not included in this analysis.†

* After running the final regression analysis, a few schools were identified as alternative or special needs schools. Though these schools were included in the regression analysis, they were not included in the final report card.

† We have been made aware of some inconsistencies in the government data we use to identify these schools. We attempted to rectify some of these errors, but some high schools may still be misidentified.

Charter schools, known legally as public school academies, operate somewhat differently from district-run high schools. These schools are individually managed at the school level and enroll only students whose families actively choose them.* These schools are labeled “charter” in this report card. Conventional district-run high schools, in contrast, are labeled “district.”

Finally, we also included a new category this year: cyber schools. These are full-time or primarily online schools that operate statewide. There are many other similar online schools run by districts, but these cyber schools have a special legal designation and we identified them separately for this reason.

Selected Results

Selected scores appear in the following sections. They include overall high- and low-performers, as well as standouts from both ends among conventional district and charter high schools. CAP Scores for all 639 public high schools receiving scores appear in the “Full Report Card” section, listed in alphabetical order.

Top 20 High Schools Overall

Graphic 1 lists the top-scoring 20 public high schools in the state. Following the trend of the first two report cards, an outsized share of the schools on this list are public charter high schools (seven) and selective high schools (six). Though charter schools make up less than 12 percent of the schools ranked on this report card, they represent more than 33 percent of the top 20 ranked schools listed below. For the third straight time, Star International Academy in Dearborn emerged as the top-scoring public high school in Michigan.

* There are several other differences between charter public schools and district-run schools. Charter schools can operate any grade configuration, kindergarten through 12th grade, are often managed by contracting with private management companies and are exempt from the state's requirement to grant teachers tenure.

Graphic 1: Top 20 Public High Schools Based on 2012-2015 Overall CAP Score

Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
1	Star International Academy	Charter	Dearborn Heights	Suburb: Large	126.80	100.00%	A
2	International Academy	Selective	Bloomfield Hills	Suburb: Large	123.33	99.84%	A
3	City Middle/High School	Selective	Grand Rapids	City: Midsize	121.96	99.69%	A
4	Saginaw Arts and Sciences Academy	Selective	Saginaw	City: Small	118.81	99.53%	A
5	Henry Ford Early College	Selective	Dearborn	Suburb: Large	118.00	99.37%	A
6	Riverside Academy - West Campus	Charter	Dearborn	City: Small	115.34	99.22%	A
7	Central Academy	Charter	Ann Arbor	City: Midsize	114.96	99.06%	A
8	Cesar Chavez High School	Charter	Detroit	City: Large	114.13	98.90%	A
9	Wellspring Preparatory High School*	Charter	Grand Rapids	City: Midsize	112.55	98.75%	A
10	Okemos High School	District	Okemos	Rural: Fringe	112.23	98.59%	A
11	Bloomington Middle and High School	District	Bloomington	Rural: Distant	112.19	98.44%	A
12	Frontier International Academy	Charter	Hamtramck	Suburb: Large	112.15	98.28%	A
13	Genesee Early College	Selective	Bendle	City: Midsize	112.06	98.12%	A
14	Grayling High School	District	Crawford Ausable	Rural: Fringe	111.54	97.97%	A
15	Pioneer High School	District	Ann Arbor	City: Midsize	111.37	97.81%	A
16	Renaissance High School	Selective	Detroit	City: Large	111.15	97.65%	A
17	Oxford Schools Early College*	Selective	Oxford	Suburb: Large	111.13	97.50%	A
18	Covert High School	District	Covert	Rural: Distant	111.03	97.34%	A
19	Universal Academy	Charter	Detroit	City: Large	111.00	97.18%	A
20	Fordson High School	District	Dearborn	City: Small	110.98	97.03%	A

* Denotes schools that have less than four years of data publicly available, but still have enough publicly available data to be included in the model.

Bottom 20 High Schools Overall

Graphic 2 displays Michigan's bottom-scoring 20 public high schools, with the lowest scorer first. All six of the eligible Education Achievement Authority high schools finished among the lowest 10 CAP scores.* In all, 14 of the 20 lowest performing high schools are located in the city of Detroit. Two of the four charter schools in the bottom 20 also come from state-imposed efforts to take over fiscally distressed school districts: Highland Park and Muskegon Heights.

* The Education Achievement Authority was created in 2012 as a "reform district" aimed at turning around the performance of the state's consistently lowest-performing schools. The EAA will close down at the end of the 2016-17 school year.

Graphic 2: Bottom 20 Public High Schools Based on 2012-2015 Overall CAP Score

Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
1	Ford High School	District	EAA	City: Large	81.29	0.16%	F
2	Osborn Evergreen Academy of Design and Alternative Energy	District	Detroit	City: Large	83.55	0.31%	F
3	Denby High School	District	EAA	City: Large	83.88	0.47%	F
4	Highland Park H.S.	Charter	Highland Park	City: Large	84.27	0.63%	F
5	Pershing High School	District	EAA	City: Large	84.67	0.78%	F
6	Central Collegiate Academy	District	EAA	City: Large	84.91	0.94%	F
7	Mumford High School	District	EAA	City: Large	85.12	1.10%	F
8	East English Village Prep. Academy*	District	Detroit	City: Large	85.47	1.25%	F
9	Pontiac High School	District	Pontiac	City: Small	85.48	1.41%	F
10	Southeastern High School	District	EAA	City: Large	85.54	1.56%	F
11	Muskegon Heights High School	Charter	Muskegon	Suburb: Midsize	85.69	1.72%	F
12	FlexTech High School	Charter	Brighton	Suburb: Midsize	86.70	1.88%	F
13	Osborn Academy of Mathematics	District	Detroit	City: Large	87.13	2.03%	F
14	J.W. Sexton High School	District	Lansing	City: Midsize	87.43	2.19%	F
15	Cody Academy of Leadership	District	Detroit	City: Large	87.52	2.35%	F
16	Osborn College Preparatory Academy	District	Detroit	City: Large	87.90	2.50%	F
17	Douglass Academy for Young Men	District	Detroit	City: Large	88.32	2.66%	F
18	Northwestern High School	District	Detroit	City: Large	88.70	2.82%	F
19	Grattan Academy - Middle/High School	Charter	Greenville	Rural: Fringe	88.80	2.97%	F
20	Detroit School of Arts	District	Detroit	City: Large	89.03	3.13%	F

* Denotes schools that have less than four years of data publicly available, but still have enough publicly available data to be included in the model.

Top 25 District-run High Schools

Graphic 3 shows the top 25 Michigan district-run public high schools. Fourteen of the top 25 repeated this distinction from the 2014 report card, including each of this year's 10 highest-rated schools. Three of the top 10 are located in Ann Arbor. That city's Huron and Pioneer high schools, along with Okemos High School, Bloomingdale Middle and High School, and Covert High School appear in the top 10 for a second consecutive time.

Graphic 3: Top 25 District-run High Schools Based on 2012-2015 Overall CAP Score

Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
1	Okemos High School	District	Okemos	Rural: Fringe	112.23	98.59%	A
2	Bloomington Middle and High School	District	Bloomington	Rural: Distant	112.19	98.44%	A
3	Grayling High School	District	Crawford Ausable	Rural: Fringe	111.54	97.97%	A
4	Pioneer High School	District	Ann Arbor	City: Midsize	111.37	97.81%	A
5	Covert High School	District	Covert	Rural: Distant	111.03	97.34%	A
6	Fordson High School	District	Dearborn	City: Small	110.98	97.03%	A
7	Baldwin Senior High School	District	Baldwin	Rural: Remote	110.51	96.71%	A
8	Huron High School	District	Ann Arbor	City: Midsize	110.39	96.56%	A
9	Troy High School	District	Troy	City: Small	110.35	96.40%	A
10	Skyline High School	District	Ann Arbor	City: Midsize	110.07	96.24%	A
11	Kingston High School	District	Kingston	Rural: Remote	109.99	96.09%	A
12	East Grand Rapids High School	District	East Grand Rapids	Suburb: Large	109.42	95.77%	A
13	H.H. Dow High School	District	Midland	Town: Distant	108.60	95.46%	A
14	Alba School	District	Alba	Rural: Remote	108.54	95.31%	A
15	Fairview High School	District	Fairview	Rural: Remote	108.50	94.99%	A
16	Bendle High School	District	Bendle	Suburb: Large	108.30	94.84%	A
17	Houghton Central High School	District	Houghton-Portage Twp.	Rural: Fringe	108.25	94.68%	A
18	Benzie Central Sr. High School	District	Benzie County Central	Rural: Remote	108.02	94.52%	A
19	Saline High School	District	Saline	Rural: Fringe	107.99	94.37%	A
20	Crestwood High School	District	Crestwood	Suburb: Large	107.97	94.21%	A
21	Lee High School	District	Godfrey-Lee	City: Small	107.92	94.05%	A
22	Rochester Adams High School	District	Rochester	Suburb: Large	107.85	93.90%	A
23	DeTour High School	District	Detour	Rural: Remote	107.67	93.43%	A
24	Central High School	District	Forest Hills	Suburb: Large	107.49	93.27%	A
25	Dollar Bay High School	District	Dollar Bay-Tamarack City	Town: Remote	107.49	93.11%	A

* Denotes schools that have less than four years of data publicly available, but still have enough publicly available data to be included in the model.

Bottom 25 District-run High Schools

Graphic 4 reveals the state's 25 lowest-scoring district-run public high schools. Seventeen of the bottom 25 and every one of the bottom 10 repeat their appearance on this list from 2014. Only one of the eight making a first appearance, Ypsilanti's AC Tech High School, represents a newer school with two or fewer years of data. Robichaud Senior High School fell onto the list after earning C grades on previous versions of this report card.

Graphic 4: Bottom 25 District-run High Schools Based on 2012-2015 Overall CAP Score

Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
1	Ford High School	District	EAA	City: Large	81.29	0.16%	F
2	Osborn Evergreen Academy of Design and Alternative Energy	District	Detroit	City: Large	83.55	0.31%	F
3	Denby High School	District	EAA	City: Large	83.88	0.47%	F
4	Pershing High School	District	EAA	City: Large	84.67	0.78%	F
5	Central Collegiate Academy	District	EAA	City: Large	84.91	0.94%	F
6	Mumford High School	District	EAA	City: Large	85.12	1.10%	F
7	East English Village Prep. Academy*	District	Detroit	City: Large	85.47	1.25%	F
8	Pontiac High School	District	Pontiac	City: Small	85.48	1.41%	F
9	Southeastern High School	District	EAA	City: Large	85.54	1.56%	F
10	Osborn Academy of Mathematics	District	Detroit	City: Large	87.13	2.03%	F
11	J.W. Sexton High School	District	Lansing	City: Midsize	87.43	2.19%	F
12	Cody Academy of Leadership	District	Detroit	City: Large	87.52	2.35%	F
13	Osborn College Preparatory Academy	District	Detroit	City: Large	87.90	2.50%	F
14	Douglass Academy for Young Men	District	Detroit	City: Large	88.32	2.66%	F
15	Northwestern High School	District	Detroit	City: Large	88.70	2.82%	F
16	Detroit School of Arts	District	Detroit	City: Large	89.03	3.13%	F
17	Swartz Creek Academy	District	Swartz Creek	Suburb: Large	89.04	3.29%	F
18	Ecorse High School	District	Ecorse	Suburb: Large	89.43	3.44%	F
19	AC Tech High School*	District	Ypsilanti	Suburb: Large	89.64	3.60%	F
20	Southfield High School	District	Southfield	City: Small	89.91	3.76%	F
21	Southfield-Lathrup High School	District	Southfield	Suburb: Large	90.00	3.91%	F
22	Robichaud Senior High School	District	Westwood	Suburb: Large	90.07	4.07%	F
23	Martin High School	District	Martin	Rural: Distant	90.36	4.38%	F
24	Northwestern High School	District	Flint	City: Midsize	90.40	4.54%	F
25	Detroit Institute of Technology at Cody	District	Detroit	City: Large	90.40	4.69%	F

* Denotes schools that have less than four years of data publicly available, but still have enough publicly available data to be included in the model.

Top 10 Charter High Schools

Graphic 5 lists Michigan's top 10 public charter high schools. Seven of the schools achieved the distinction for the second straight time, including all of this year's top five finishers. Two of the three newcomers — Chandler Park Academy and Michigan Mathematics and Science Academy — received B grades on the 2014 report card.

Graphic 5: Top 10 Charter High Schools Based on 2012-2015 Overall CAP Score

Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
1	Star International Academy	Charter	Dearborn Heights	Suburb: Large	126.80	100.00%	A
2	Riverside Academy - West Campus	Charter	Dearborn	City: Small	115.34	99.22%	A
3	Central Academy	Charter	Ann Arbor	City: Midsize	114.96	99.06%	A
4	Cesar Chavez High School	Charter	Detroit	City: Large	114.13	98.90%	A
5	Wellspring Preparatory High School*	Charter	Grand Rapids	City: Midsize	112.55	98.75%	A
6	Frontier International Academy	Charter	Hamtramck	Suburb: Large	112.15	98.28%	A
7	Universal Academy	Charter	Detroit	City: Large	111.00	97.18%	A
8	Michigan Mathematics & Science Academy*	Charter	Hazel Park	Suburb: Large	110.94	96.87%	A
9	Chandler Park Academy - High School	Charter	Harper Woods	Suburb: Large	109.59	95.93%	A
10	Countryside Academy-Middle/H.S.	Charter	Benton Harbor	Rural: Fringe	108.52	95.15%	A

* Denotes schools that have less than four years of data publicly available, but still have enough publicly available data to be included in the model.

Bottom 10 Charter High Schools

Graphic 6 displays the bottom 10 charter high schools in Michigan. Five of the schools repeat their appearance from 2014. The other five low performers from the previous report card — Bradford Academy, Plymouth Educational Center Preparatory High School, Henry Ford Academy: School for Creative Studies, Madison Academy, and Merritt Academy — all improved to earn a D grade in the current edition. One of this year's 10 lowest, Detroit Public Safety Academy, is rated based on two or fewer years of data.

Graphic 6: Bottom 10 Charter High Schools Based on 2012-2015 Overall CAP Score

Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
1	Highland Park H.S.	Charter	Highland Park	City: Large	84.27	0.63%	F
2	Muskegon Heights High School	Charter	Muskegon	Suburb: Midsize	85.69	1.72%	F
3	FlexTech High School	Charter	Brighton	Suburb: Midsize	86.70	1.88%	F
4	Grattan Academy - Middle/High School	Charter	Greenville	Rural: Fringe	88.80	2.97%	F
5	Dream Academy	Charter	Benton Harbor	City: Small	90.18	4.23%	F
6	Creative Technologies Academy	Charter	Cedar Springs	Town: Fringe	90.65	5.16%	F
7	Pontiac Academy for Excellence	Charter	Pontiac	City: Small	91.57	6.10%	F
8	Will Carleton Charter School Academy**	Charter	Hillsdale	Rural: Fringe	91.71	6.26%	F
9	Kensington Woods High School	Charter	Howell	Suburb: Midsize	92.66	7.67%	F
10	Detroit Public Safety Academy*	Charter	Detroit	City: Large	92.82	7.98%	F

* Denotes schools that have less than four years of data publicly available, but still have enough publicly available data to be included in the model.

** Will Carleton Charter School Academy reports that it does not participate in the National School Lunch Program and the number of students it reports to the state who are eligible for a free lunch based on their household income may not be an accurate depiction of the socioeconomic status of its student body. This would lower the school's CAP score as a result.

Selective High Schools

The 2014 high school report card identified 13 selective schools — schools that used prior academic performance as a factor in determining whether to enroll certain students. As outlined in Graphic 7, this report card includes 12 of the 13, in addition to three other selective schools: Oxford Early College, Innovation Central High School in Grand Rapids, and STEMM Academy in Ypsilanti. All of the selective schools identified are district-run schools, since charter schools are prohibited from using academic standards to limit enrollment.*

As expected, given these schools' selective admissions policies, a disproportionately large share fall among the highest-scoring in the state. The top eight selective high schools all received A grades and are ranked among the top 5 percent of schools in the state. For the second straight time, International Academy in Bloomfield Hills is the second-highest ranked school in the entire state, based on CAP scores. However, four selective schools posted C grades, indicating student scores at these schools are not much different than expected, given student socioeconomic background. In operation only since 2013, STEMM Academy earned a D, in the bottom third of ranked schools.

Graphic 7: Selective High Schools Ranked Based on 2012-2015 Overall CAP Score

Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
1	International Academy	Selective	Bloomfield Hills	Suburb: Large	123.33	99.84%	A
2	City Middle/High School	Selective	Grand Rapids	City: Midsize	121.96	99.69%	A
3	Saginaw Arts and Sciences Academy	Selective	Saginaw	City: Small	118.81	99.53%	A
4	Henry Ford Early College	Selective	Dearborn City	Suburb: Large	118.00	99.37%	A
5	Genesee Early College	Selective	Bendle	City: Midsize	112.06	98.12%	A
6	Renaissance High School	Selective	Detroit	City: Large	111.15	97.65%	A
7	Oxford Early College*	Selective	Oxford	Suburb: Large	111.13	97.50%	A
8	Cass Technical High School	Selective	Detroit	City: Large	108.73	95.62%	A
9	Davis Aerospace High School	Selective	Detroit	City: Large	103.56	79.34%	B
10	Mott Middle College High School	Selective	Bendle	City: Midsize	103.41	78.56%	B
11	University High School Academy	Selective	Southfield	City: Small	101.65	65.10%	C
12	Innovation Central High School*	Selective	Grand Rapids	City: Midsize	101.39	62.75%	C
13	Oakland Early College	Selective	West Bloomfield	City: Small	101.05	59.78%	C
14	Southwestern Classical Academy	Selective	Flint	City: Midsize	99.18	44.29%	C
15	STEMM Academy*	Selective	Ypsilanti	Suburb: Large	97.36	27.39%	D

* Denotes schools that have less than four years of data publicly available, but still have enough publicly available data to be included in the model.

* MCL § 380.504(2).

Cyber Schools

Graphic 8 highlights the seven high schools in the sample that are designated as cyber schools, because they deliver their instructional program in significant part or in whole through online, distance learning. Averaged as a whole, the group of seven cyber schools perform very nearly as expected given the socioeconomic status of their students. Among them, Michigan Connections Academy excels with an A grade, while Waterford Cyber Academy lags with a D. All the rest rank just below the median of the 639 high schools included in this report card.

Graphic 8: Cyber Schools Ranked Based on 2012-2015 Overall CAP Score

Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
1	Michigan Connections Academy	Charter	Okemos	Rural: Fringe	106.44	90.30%	A
2	Michigan Virtual Charter Academy	Charter	Grand Rapids	City: Midsize	99.60	48.51%	C
3	Nexus Academy of Lansing*	Charter	Lansing	City: Midsize	99.36	46.32%	C
4	W-A-Y Academy*	Charter	Detroit	City: Large	99.32	46.01%	C
5	Nexus Academy of Grand Rapids*	Charter	Grand Rapids	City: Midsize	99.06	41.63%	C
6	Great Lakes Cyber Academy*	Charter	Okemos	Rural: Fringe	98.95	40.22%	C
7	Waterford Cyber Academy	District	Waterford	Suburb: Large	96.52	21.91%	D

Most Improved and Largest Declines

The third edition of the High School Context and Performance Report Card allows for a new dimension of study. Reports are released every two years, and each edition is based on four years of assessment data. Between the initial release and the current report card, eight unique years of assessment scores and student poverty rates are covered.

Directly comparing CAP scores from this report card to the earlier analyses published by the Mackinac Center may not be appropriate. This report card's methodology varies slightly from the 2012 study. Thus, it would be difficult to discern whether a school's improvement or decline was due to a real change in performance or influenced significantly by these minor methodological changes. In order to make direct and meaningful comparisons of changes over time, we recalculated the 2012 CAP scores according to the same methodology used in this report.

A total of 519 high schools qualified to appear in both the 2012 and 2016 report cards with eight full years of data to generate comparable CAP scores. To make the comparison between the first four years and the most recent four years, percentile rankings were determined strictly within the set of 519 schools for both 2012 and 2016.

Of the 519 schools, just under half (253) achieved a 2016 percentile ranking within 10 points of their 2012 ranking. As depicted in Graphic 9, 23 schools in all rose 40 or more percentile points between the two four-year spans, representing a rather dramatic improvement. Twenty of the 23 most improved were conventional district schools. Three rural schools showed the greatest gains — Kingston High School in Michigan's Thumb area, Eau Claire High School in the state's southwest corner, and Lake Fenton High School in Genesee County. Two metro Detroit charter

schools, Conner Creek Academy East and Summit Academy North High School, also made tremendous strides from near the bottom of the rankings to the top half.

Graphic 9: High Schools Increasing 40 or More Points in CAP Percentile Ranking, 2012 vs. 2016

Rank	High School	School Type	District or Municipality	Locale	2012 Percent Rank	2016 Percent Rank	Change
1	Kingston High School	District	Kingston	Rural: Remote	12.91%	97.11%	84.20
2	Eau Claire High School	District	Eau Claire	Rural: Fringe	14.64%	91.52%	76.88
3	Lake Fenton High School	District	Lake Fenton	Rural: Fringe	22.54%	93.26%	70.71
4	Conner Creek Academy East	Charter	Warren	City: Midsize	0.58%	63.39%	62.81
5	Truman High School	District	Taylor	City: Small	9.25%	67.82%	58.57
6	Buchanan High School	District	Buchanan	Suburb: Large	26.59%	81.89%	55.30
7	Summit Academy North High School	Charter	Romulus	Suburb: Large	4.24%	59.15%	54.91
8	Adrian High School	District	Adrian	Town: Distant	21.19%	76.11%	54.91
9	Union City High School	District	Union City	Rural: Distant	8.09%	62.24%	54.14
10	Adlai Stevenson High School	District	Utica	Suburb: Large	26.01%	79.00%	52.99
11	Communication and Media Arts H.S.	District	Detroit	City: Large	33.91%	85.55%	51.64
12	Clinton High School	District	Clinton	Rural: Distant	21.00%	72.45%	51.45
13	Hazel Park High School	District	Hazel Park	Suburb: Large	38.34%	89.40%	51.06
14	Athens High School	District	Athens	Rural: Distant	28.52%	77.65%	49.13
15	Marion High School	District	Marion	Rural: Remote	9.44%	57.42%	47.98
16	Unionville-Sebewaing High School	District	Unionville-Sebewaing	Rural: Distant	32.18%	79.38%	47.21
17	Kent City High School	District	Kent City	Rural: Fringe	3.28%	49.52%	46.24
18	Coloma High School	District	Coloma	Town: Fringe	10.40%	56.26%	45.86
19	Detroit Community Schools-H.S.	Charter	Detroit	City: Large	4.62%	50.10%	45.47
20	Bridgman High School	District	Bridgman	Rural: Fringe	30.25%	73.99%	43.74
21	Madison High School	District	Madison (Oakland)	Suburb: Large	44.12%	86.71%	42.58
22	John F. Kennedy High School	District	Taylor	City: Small	8.67%	50.87%	42.20
23	Stephenson High School	District	Stephenson	Rural: Remote	8.29%	49.90%	41.62

Conversely, 18 of the 519 schools dropped 40 or more points in percentile ranking since the first report card. Pontiac Academy for Excellence, a charter high school, took the biggest tumble, from the top 2 percent of schools to the bottom 5 percent. Sixteen of the 18 to lose the most ground are conventional district schools, including a fairly even mix from urban and rural settings.

Graphic 10: High Schools Decreasing 40+ Points in CAP Percentile Ranking, 2012 vs. 2016

Rank	High School	School Type	District or Municipality	Locale	2012 Percent Rank	2016 Percent Rank	Change
1	Pontiac Academy for Excellence	Charter	Pontiac	City: Small	98.46%	4.24%	-94.22
2	Robichaud Senior High School	District	Westwood	Suburb: Large	77.07%	2.89%	-74.18
3	Academy for Business and Technology	Charter	Melvindale	Suburb: Large	79.77%	6.55%	-73.22
4	Western International High School	District	Detroit	City: Large	79.19%	6.74%	-72.45
5	Vestaburg Community High School	District	Vestaburg	Rural: Remote	76.30%	8.86%	-67.44
6	Eastern High School	District	Lansing	City: Midsize	77.26%	12.91%	-64.35
7	Pennfield Senior High School	District	Pennfield	Rural: Fringe	70.52%	10.60%	-59.92
8	Battle Creek Central High School	District	Battle Creek	City: Small	65.70%	10.02%	-55.68
9	Colon High School	District	Colon	Rural: Distant	67.24%	11.75%	-55.49
10	Bridgeport High School	District	Bridgeport-Spaulding	Rural: Fringe	60.50%	5.97%	-54.53
11	Harbor Beach Community High School	District	Harbor Beach	Rural: Remote	86.71%	32.56%	-54.14
12	Everett High School	District	Lansing	City: Midsize	54.34%	3.47%	-50.87
13	Benton Harbor High School	District	Benton Harbor	City: Small	51.64%	4.82%	-46.82
14	Morenci Area High School	District	Morenci	Rural: Distant	53.76%	7.13%	-46.63
15	Newberry High School	District	Tahquamenon	Town: Remote	61.85%	15.80%	-46.05
16	Holland High School	District	Holland	City: Small	97.30%	51.83%	-45.47
17	Harrison Community High School	District	Harrison	Rural: Fringe	70.71%	27.17%	-43.55
18	Ottawa Hills High School	District	Grand Rapids	City: Midsize	97.69%	55.11%	-42.58

Long-Term Performance

The third edition of the High School Context and Performance Report Card also allows for more extensive recognition of consistent achievement. An average CAP Score was derived from the 2012 and 2016 scores for each of the 519 high schools with eight full years of testing data. The combined scores of the two report cards cover tests taken every year from 2007-08 to 2014-15. A high average CAP Score reflects a consistent trend of high achievement after taking into account student demographics.

As shown in Graphic 11, the top six highest performers include three charter schools and three selective schools. To round out the top 15, conventional district schools, led by Covert High School and Okemos High School, make up eight of the next nine.

Graphic 11: Top 15 Public High Schools Based on 2008-2015 Average Overall CAP Scores

Rank	High School	School Type	District or Municipality	Locale	2012 CAP Score	2016 CAP Score	2012-2016 Average
1	Star International Academy	Charter	Dearborn Heights	Suburb: Large	142.55	126.80	134.67
2	Cesar Chavez High School	Charter	Detroit	City: Large	142.16	114.13	128.14
3	International Academy	Selective	Bloomfield Hills	Suburb: Large	130.32	123.33	126.82
4	City Middle/High School	Selective	Grand Rapids	City: Midsize	129.75	121.96	125.86
5	Saginaw Arts and Sciences Academy	Selective	Saginaw	City: Small	119.64	118.81	119.23
6	Frontier International Academy	Charter	Hamtramck	Suburb: Large	122.47	112.15	117.31
7	Covert High School	District	Covert	Rural: Distant	119.78	111.03	115.41
8	Okemos High School	District	Okemos	Rural: Fringe	114.39	112.23	113.31
9	Renaissance High School	Selective	Detroit	City: Large	115.37	111.15	113.26
10	Lee High School	District	Godfrey-Lee	City: Small	117.22	107.92	112.57
11	Bloomington Middle and High School	District	Bloomington	Rural: Distant	112.21	112.19	112.20
12	Fordson High School	District	Dearborn	City: Small	113.12	110.98	112.05
13	Huron High School	District	Ann Arbor	City: Midsize	113.23	110.39	111.81
14	Pioneer High School	District	Ann Arbor	City: Midsize	111.64	111.37	111.50
15	Troy High School	District	Troy	City: Small	111.84	110.35	111.09

At the other end of the spectrum, the lowest five long-term performers are all Detroit high schools taken over by the state's Education Achievement Authority. Graphic 12's list of the bottom 15 schools includes Highland Park and Muskegon Heights — conventional district schools put under the management of charter organizations due to fiscal distress. The composition of this list highlights the challenge of turning around consistently poor performing high schools.

Graphic 12: Bottom 15 Public High Schools Based on 2008-2015 Average Overall CAP Scores

Rank	High School	School Type	District or Municipality	Locale	2012 CAP Score	2016 CAP Score	2012-2016 Average
1	Denby High School	District	Detroit-EAA	City: Large	83.39	83.88	83.63
2	Mumford High School	District	Detroit-EAA	City: Large	84.16	85.12	84.64
3	Pershing High School	District	Detroit-EAA	City: Large	84.84	84.67	84.75
4	Ford High School	District	Detroit-EAA	City: Large	88.64	81.29	84.96
5	Central Collegiate Academy	District	Detroit-EAA	City: Large	85.92	84.91	85.42
6	Pontiac High School	District	Pontiac	City: Small	88.68	85.48	87.08
7	Northwestern High School	District	Flint	City: Midsize	84.18	90.40	87.29
8	Southeastern High School	District	Detroit-EAA	City: Large	89.64	85.54	87.59
9	Kensington Woods High School	Charter	Howell	Suburb: Midsize	83.17	92.66	87.92
10	Highland Park Community H.S.	District-Charter	Highland Park	Suburb: Large	92.40	84.27	88.34
11	Muskegon Heights High School	District-Charter	Muskegon Heights	Suburb: Midsize	92.95	85.69	89.32
12	Southfield High School	District	Southfield	City: Small	89.81	89.91	89.86
13	Northwestern High School	District	Detroit	City: Large	91.20	88.70	89.95
14	Morrice Area High School	District	Morrice	Rural: Fringe	88.25	91.99	90.12
15	Southfield-Lathrup High School	District	Southfield	Suburb: Large	91.51	90.00	90.76

Full Report Card: A-Z

Below is the full Context and Performance rankings for all 639 Michigan public high schools included in this report card. Schools are listed in alphabetical order. A CAP Score of 100 or better indicates a school did as well or better than expected, given the socioeconomic background of its students, and a school's "percent rank" indicates how the school scored, compared to other in the state.

Graphic 13: The Michigan Public High School CAP Report Card: Alphabetical

The Michigan Public High School CAP Report Card: Alphabetical							
Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
310	A.D. Johnston Jr/Sr High School	District	Bessemer	Rural: Distant	100.10	51.64%	C
617	AC Tech High School*	District	Ypsilanti	Suburb: Large	89.64	3.60%	F
584	Academy for Business and Technology H.S.	Charter	Melvindale	Suburb: Large	93.22	8.76%	F
585	Addison High School	District	Addison	Rural: Distant	93.11	8.61%	F
140	Adlai Stevenson High School	District	Utica	Suburb: Large	103.39	78.25%	B
160	Adrian High School	District	Adrian	Town: Distant	102.96	75.12%	B
152	Advanced Technology Academy	Charter	Dearborn	City: Small	103.20	76.37%	B
488	AGBU Alex-Marie Manoogian School	Charter	Southfield	City: Small	96.84	23.79%	D
419	Airport Senior High School	District	Airport	Rural: Fringe	98.38	34.59%	C
179	Akron-Fairgrove Jr/Sr High School	District	Akron-Fairgrove	Rural: Distant	102.59	72.14%	B
606	Alanson School	District	Alanson	Rural: Distant	90.88	5.32%	F
31	Alba School	District	Alba	Rural: Remote	108.54	95.31%	A
270	Alcona High School	District	Alcona	Rural: Distant	100.86	57.90%	C
498	Algonac High School	District	Algonac	Suburb: Large	96.58	22.22%	D
425	Allen Academy	Charter	Detroit	City: Large	98.27	33.65%	C
328	Allen Park High School	District	Allen Park	Suburb: Large	99.61	48.83%	C
405	Allendale High School	District	Allendale	Suburb: Large	98.62	36.78%	C
365	Alma Senior High School	District	Alma	Town: Distant	99.15	43.04%	C
468	Almont High School	District	Almont	Rural: Fringe	97.32	26.92%	D
225	Alpena High School	District	Alpena	Town: Remote	101.65	64.95%	C
497	Anchor Bay High School	District	Anchor Bay	Rural: Fringe	96.62	22.38%	D
212	Annapolis High School	District	Dearborn Heights	Suburb: Large	101.86	66.98%	C
253	Arbor Preparatory High School*	Charter	Ypsilanti	Rural: Fringe	101.16	60.56%	C
53	Arenac Eastern Middle/High School	District	Arenac Eastern	Rural: Remote	106.95	91.86%	A
586	Armada High School	District	Armada	Rural: Distant	92.98	8.45%	F
269	Arthur Hill High School	District	Saginaw	City: Small	100.87	58.06%	C
588	Arts Academy in the Woods	Charter	Fraser	Suburb: Large	92.82	8.14%	F
522	Ashley High School	District	Ashley	Rural: Distant	95.95	18.47%	D
58	Athens High School	District	Troy	City: Small	106.77	91.08%	A
148	Athens High School	District	Athens	Rural: Distant	103.24	77.00%	B
375	Atherton High School	District	Atherton	Suburb: Large	99.06	41.47%	C
471	Atlanta Community Schools	District	Atlanta	Rural: Remote	97.26	26.45%	D
384	Au Gres-Sims Middle and High School	District	Au Gres-Sims	Rural: Distant	98.93	40.06%	C
337	Avondale High School	District	Avondale	Suburb: Large	99.50	47.42%	C
176	Bad Axe High School	District	Bad Axe	Town: Remote	102.62	72.61%	B
22	Baldwin Senior High School	District	Baldwin	Rural: Remote	110.51	96.71%	A

The Michigan Public High School CAP Report Card: Alphabetical							
Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
126	Bangor High School	District	Bangor (Van Buren)	Rural: Distant	103.68	80.44%	B
372	Bark River-Harris Jr/Sr High School	District	Bark River-Harris	Rural: Remote	99.07	41.94%	C
294	Bath High School	District	Bath	Rural: Fringe	100.32	54.15%	C
557	Battle Creek Central High School	District	Battle Creek	City: Small	94.93	12.99%	D
369	Bay City Central High School	District	Bay City	City: Small	99.12	42.41%	C
472	Bay City Western High School	District	Bay City	Town: Distant	97.18	26.29%	D
356	Beal City High School	District	Beal City	Rural: Distant	99.18	44.44%	C
377	Bear Lake High School	District	Bear Lake	Rural: Remote	99.04	41.16%	C
491	Beaverton High School	District	Beaverton Rural	Rural: Distant	96.79	23.32%	D
345	Bedford Senior High School	District	Bedford	Suburb: Large	99.34	46.17%	C
564	Beecher High School	District	Beecher	Suburb: Large	94.37	11.89%	D
232	Belding High School	District	Belding	Town: Distant	101.49	63.85%	C
568	Bellaire Middle/High School	District	Bellaire	Rural: Remote	94.07	11.27%	D
561	Belleville High School	District	Van Buren	Suburb: Large	94.48	12.36%	D
518	Bellevue Jr/Sr High School	District	Bellevue	Rural: Distant	95.99	19.09%	D
34	Bendle High School	District	Bendle	Suburb: Large	108.30	94.84%	A
142	Benjamin Carson School for Science & Medicine*	District	Detroit	City: Large	103.36	77.93%	B
531	Bentley Senior High School	District	Bentley	Suburb: Large	95.72	17.06%	D
596	Benton Harbor Middle and High School	District	Benton Harbor	City: Small	92.00	6.89%	F
36	Benzie Central Sr. High School	District	Benzie County Central	Rural: Remote	108.02	94.52%	A
194	Berkley High School	District	Berkley	Suburb: Large	102.17	69.80%	C
141	Berrien Springs High School	District	Berrien Springs	Town: Fringe	103.36	78.09%	B
574	Big Bay De Noc School	District	Big Bay De Noc	Rural: Remote	93.79	10.33%	D
115	Big Rapids High School	District	Big Rapids	Rural: Fringe	104.13	82.16%	B
373	Birch Run High School	District	Birch Run	Rural: Fringe	99.07	41.78%	C
47	Black River School	Charter	Holland	City: Small	107.21	92.80%	A
455	Blissfield High School	District	Blissfield	Rural: Fringe	97.56	28.95%	D
11	Bloomington Middle and High School	District	Bloomington	Rural: Distant	112.19	98.44%	A
158	Boyne City High School	District	Boyne City	Town: Remote	103.00	75.43%	B
513	Boyne Falls School	District	Boyne Falls	Rural: Fringe	96.12	19.87%	D
506	Bradford Academy	Charter	Southfield	City: Small	96.36	20.97%	D
262	Brandon High School	District	Brandon	Rural: Fringe	100.95	59.15%	C
517	Brandywine Senior High School	District	Brandywine	Suburb: Large	96.02	19.25%	D
278	Breckenridge High School	District	Breckenridge	Rural: Distant	100.69	56.65%	C
210	Brethren High School	District	Kaleva Norman Dickson	Rural: Remote	101.87	67.29%	C
587	Bridgeport High School	District	Bridgeport-Spaulding	Rural: Fringe	92.88	8.29%	F
171	Bridgman High School	District	Bridgman	Suburb: Small	102.80	73.40%	B
190	Brighton High School	District	Brighton	Suburb: Midsize	102.35	70.42%	B

The Michigan Public High School CAP Report Card: Alphabetical							
Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
131	Brimley Jr./Sr. High	District	Brimley	Rural: Distant	103.62	79.66%	B
535	Britton Deerfield-Britton Building	District	Britton Deerfield	Rural: Distant	95.65	16.43%	D
195	Bronson Jr/Sr High School	District	Bronson	Rural: Distant	102.17	69.64%	C
145	Brown City High School	District	Brown City	Rural: Distant	103.29	77.46%	B
124	Buchanan High School	District	Buchanan	Suburb: Large	103.74	80.75%	B
157	Buckley Schools	District	Buckley	Rural: Distant	103.04	75.59%	B
221	Bullock Creek High School	District	Bullock Creek	Rural: Fringe	101.67	65.57%	C
119	Burr Oak High School	District	Burr Oak	Rural: Distant	103.92	81.53%	B
534	Byron Center Charter School	Charter	Byron Center	Rural: Fringe	95.68	16.59%	D
241	Byron Center High School	District	Byron Center	Rural: Fringe	101.38	62.44%	C
459	Byron High School	District	Byron	Rural: Distant	97.49	28.33%	D
129	Cadillac Senior High School	District	Cadillac	Town: Remote	103.64	79.97%	B
247	Caledonia High School	District	Caledonia	Rural: Fringe	101.22	61.50%	C
92	Calumet High School	District	Calumet	Town: Remote	105.12	85.76%	B
565	Camden-Frontier High School	District	Camden-Frontier	Rural: Distant	94.28	11.74%	D
109	Canton High School	District	Plymouth-Canton	Suburb: Large	104.33	83.10%	B
450	Capac High School	District	Capac	Rural: Distant	97.70	29.73%	D
304	Carman-Ainsworth High School	District	Carman-Ainsworth	Suburb: Large	100.18	52.58%	C
527	Carney-Nadeau School	District	Carney-Nadeau	Rural: Remote	95.77	17.68%	D
260	Caro High School	District	Caro	Town: Distant	101.03	59.47%	C
433	Carrollton High School	District	Carrollton	Suburb: Midsize	97.98	32.39%	C
576	Carson City-Crystal High School	District	Carson City-Crystal	Town: Distant	93.73	10.02%	D
175	Carsonville-Port Sanilac H.S.	District	Carsonville-Port Sanilac	Rural: Distant	102.64	72.77%	B
60	Caseville School K-12	District	Caseville	Rural: Remote	106.66	90.77%	A
49	Cass City Jr. and Sr. High School	District	Cass City	Rural: Fringe	107.16	92.49%	A
29	Cass Technical High School	Selective	Detroit	City: Large	108.73	95.62%	A
149	Cedar Springs High School	District	Cedar Springs	Rural: Fringe	103.24	76.84%	B
583	Cedarville School	District	Les Cheneaux	Rural: Remote	93.39	8.92%	F
189	Center Line High School	District	Center Line	Suburb: Large	102.38	70.58%	B
7	Central Academy	Charter	Ann Arbor	City: Midsize	114.96	99.06%	A
634	Central Collegiate Academy	District	EAA	City: Large	84.91	0.94%	F
44	Central High School	District	Forest Hills	Suburb: Large	107.49	93.27%	A
202	Central High School	District	Traverse City	Town: Remote	102.02	68.54%	C
340	Central Lake Public Schools	District	Central Lake	Rural: Remote	99.44	46.95%	C
436	Central Montcalm High School	District	Central Montcalm	Rural: Distant	97.90	31.92%	C
205	Centreville Jr. /Sr. High School	District	Centreville	Rural: Distant	101.93	68.08%	C
8	Cesar Chavez High School	Charter	Detroit	City: Large	114.13	98.90%	A
27	Chandler Park Academy - High School	Charter	Harper Woods	Suburb: Large	109.59	95.93%	A

The Michigan Public High School CAP Report Card: Alphabetical							
Rank	High School	School Type	District or Municipality	Locale	Overall CAP Values		
					Score	Percent Rank	Grade
243	Charlevoix High School	District	Charlevoix	Rural: Fringe	101.32	62.13%	C
420	Charlevoix Montessori Academy for the Arts	Charter	Charlevoix	Town: Remote	98.38	34.43%	C
558	Charlotte Senior High School	District	Charlotte	Town: Distant	94.81	12.83%	D
183	Charyl Stockwell Academy - High School	Charter	Brighton	Suburb: Midsize	102.44	71.52%	B
154	Chassell K-12 School	District	Chassell Township	Rural: Fringe	103.14	76.06%	B
118	Cheboygan High School	District	Cheboygan	Rural: Fringe	104.04	81.69%	B
100	Chelsea High School	District	Chelsea	Town: Fringe	104.79	84.51%	B
362	Chesaning Union High School	District	Chesaning Union	Rural: Distant	99.16	43.51%	C
98	Chippewa Hills High School	District	Chippewa Hills	Rural: Remote	104.84	84.82%	B
476	Chippewa Valley High School	District	Chippewa Valley	Suburb: Large	97.03	25.67%	D
256	Churchill High School	District	Livonia	City: Small	101.10	60.09%	C
3	City Middle/High School	Selective	Grand Rapids	City: Midsize	121.96	99.69%	A
296	Clare High School	District	Clare	Town: Remote	100.31	53.83%	C
440	Clarenceville High School	District	Clarenceville	City: Small	97.87	31.30%	C
363	Clarkston High School	District	Clarkston	Suburb: Large	99.15	43.35%	C
540	Clawson High School	District	Clawson	Suburb: Large	95.50	15.65%	D
572	Climax-Scotts High School	District	Climax-Scotts	Rural: Fringe	93.92	10.64%	D
181	Clinton High School	District	Clinton	Rural: Distant	102.53	71.83%	B
423	Clintondale High School	District	Clintondale	Suburb: Large	98.31	33.96%	C
464	Clio High School	District	Clio	Suburb: Large	97.37	27.54%	D
625	Cody Academy of Leadership	District	Detroit	City: Large	87.52	2.35%	F
290	Coldwater High School	District	Coldwater	Town: Distant	100.43	54.77%	C
336	Coleman Junior/Senior High School	District	Coleman	Rural: Distant	99.51	47.57%	C
273	Coloma High School	District	Coloma	Town: Fringe	100.80	57.43%	C
546	Colon High School	District	Colon	Rural: Distant	95.34	14.71%	D
222	Columbia Central High School	District	Columbia	Rural: Fringe	101.67	65.41%	C
104	Communication and Media Arts HS	District	Detroit	City: Large	104.56	83.88%	B
178	Comstock High School	District	Comstock	Suburb: Midsize	102.59	72.30%	B
308	Comstock Park High School	District	Comstock Park	Suburb: Large	100.12	51.96%	C
556	Concord Academy:Boyne	Charter	Boyne City	Rural: Fringe	94.96	13.15%	D
547	Concord High School	District	Concord	Rural: Fringe	95.30	14.55%	D
231	Conner Creek Academy East	Charter	Warren	City: Midsize	101.50	64.01%	C
271	Constantine High School	District	Constantine	Town: Distant	100.86	57.75%	C
300	Coopersville High School	District	Coopersville	Rural: Fringe	100.22	53.21%	C
361	Corunna High School	District	Corunna	Town: Distant	99.17	43.66%	C
32	Countryside Academy-Middle/High School	Charter	Benton Harbor	Rural: Fringe	108.52	95.15%	A
505	Cousino Senior High School	District	Warren	City: Midsize	96.42	21.13%	D
18	Covert High School	District	Covert	Rural: Distant	111.03	97.34%	A

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607	Creative Technologies Academy	Charter	Cedar Springs	Town: Fringe	90.65	5.16%	F
38	Crestwood High School	District	Crestwood	Suburb: Large	107.97	94.21%	A
70	Crossroads Charter Academy (7-12)	Charter	Big Rapids	Town: Remote	106.02	89.20%	B
208	Croswell-Lexington High School	District	Croswell-Lexington	Rural: Fringe	101.88	67.61%	C
478	Dakota High School	District	Chippewa Valley	Suburb: Large	97.00	25.35%	D
510	Dansville High School	District	Dansville	Rural: Distant	96.22	20.34%	D
133	Davis Aerospace High School	Selective	Detroit	City: Large	103.56	79.34%	B
143	Davison High School	District	Davison	Rural: Fringe	103.35	77.78%	B
77	Dearborn High School	District	Dearborn City	City: Small	105.75	88.11%	B
277	Decatur High School	District	Decatur	Rural: Distant	100.69	56.81%	C
324	Deckerville High School	District	Deckerville	Rural: Distant	99.73	49.45%	C
388	Delton-Kellogg High School	District	Delton Kellogg	Rural: Distant	98.88	39.44%	C
637	Denby High School	District	EAA	City: Large	83.88	0.47%	F
43	DeTour High School	District	Detour	Rural: Remote	107.67	93.43%	A
306	Detroit Community Schools-High School	Charter	Detroit	City: Large	100.14	52.27%	C
102	Detroit Edison School Academy*	Charter	Detroit	City: Large	104.67	84.19%	B
610	Detroit Institute of Technology at Cody	District	Detroit	City: Large	90.40	4.69%	F
582	Detroit International Academy for Young Women	District	Detroit	City: Large	93.45	9.08%	F
589	Detroit Public Safety Academy*	Charter	Detroit	City: Large	92.82	7.98%	F
620	Detroit School of Arts	District	Detroit	City: Large	89.03	3.13%	F
354	DeWitt High School	District	Dewitt	Suburb: Large	99.21	44.76%	C
88	Dexter High School	District	Dexter	Rural: Fringe	105.23	86.38%	B
45	Dollar Bay High School	District	Dollar Bay-Tamarack	Town: Remote	107.49	93.11%	A
623	Douglass Academy for Young Men	District	Detroit	City: Large	88.32	2.66%	F
613	Dream Academy	Charter	Benton Harbor	City: Small	90.18	4.23%	F
532	Dryden High School	District	Dryden	Rural: Distant	95.71	16.90%	D
355	Dundee High School	District	Dundee	Town: Distant	99.21	44.60%	C
403	Durand High School	District	Durand	Town: Fringe	98.65	37.09%	C
155	E.A. Johnson Memorial H.S.	District	Mt. Morris	Rural: Fringe	103.10	75.90%	B
560	East Detroit High School	District	East Detroit	Suburb: Large	94.75	12.52%	D
632	East English Village Preparatory Academy*	District	Detroit	City: Large	85.47	1.25%	F
28	East Grand Rapids High School	District	East Grand Rapids	Suburb: Large	109.42	95.77%	A
502	East Jackson High School	District	East Jackson	Rural: Fringe	96.51	21.60%	D
185	East Jordan High School	District	East Jordan	Rural: Distant	102.44	71.21%	B
220	East Kentwood High School	District	Kentwood	Suburb: Large	101.68	65.73%	C
59	East Lansing High School	District	East Lansing	City: Small	106.73	90.92%	A
117	Eastern High School	District	Forest Hills	Rural: Fringe	104.04	81.85%	B
538	Eastern High School	District	Lansing	City: Midsize	95.57	15.96%	D

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382	Eaton Rapids Senior High School	District	Eaton Rapids	Town: Fringe	98.96	40.38%	C
67	Eau Claire High School	District	Eau Claire	Rural: Fringe	106.17	89.67%	B
618	Ecorse High School	District	Ecorse	Suburb: Large	89.43	3.44%	F
121	Edsel Ford High School	District	Dearborn City	City: Small	103.79	81.22%	B
191	Edwardsburg High School	District	Edwardsburg	Suburb: Large	102.26	70.27%	B
281	Eisenhower High School	District	Utica	Suburb: Large	100.63	56.18%	C
86	Elk Rapids High School	District	Elk Rapids	Rural: Distant	105.30	86.70%	B
396	Ellsworth School	District	Ellsworth School	Rural: Distant	98.73	38.18%	C
293	Engadine Schools	District	Engadine	Rural: Remote	100.34	54.30%	C
72	Ernest W. Seaholm High School	District	Birmingham	Suburb: Large	105.95	88.89%	B
184	Escanaba High School	District	Escanaba	Town: Remote	102.44	71.36%	B
526	Ewart High School	District	Ewart	Rural: Distant	95.80	17.84%	D
605	Everett High School	District	Lansing	City: Midsize	91.11	5.48%	F
461	Ewen-Trout Creek School	District	Ewen-Trout Creek	Rural: Remote	97.40	28.01%	D
33	Fairview High School	District	Fairview	Rural: Remote	108.50	94.99%	A
234	Farmington High School	District	Farmington	Suburb: Large	101.47	63.54%	C
367	Farwell High School	District	Farwell	Rural: Distant	99.15	42.72%	C
389	Fennville High School	District	Fennville	Rural: Distant	98.83	39.28%	C
312	Fenton Senior High School	District	Fenton	Suburb: Large	100.06	51.33%	C
153	Ferndale High School	District	Ferndale	Suburb: Large	103.14	76.21%	B
164	Fitzgerald Senior High School	District	Fitzgerald	City: Midsize	102.90	74.49%	B
504	Flat Rock High School	District	Flat Rock	Suburb: Large	96.42	21.28%	D
628	FlexTech High School	Charter	Brighton	Suburb: Midsize	86.70	1.88%	F
339	Flushing High School	District	Flushing	Suburb: Large	99.48	47.10%	C
639	Ford High School	District	EAA	City: Large	81.29	0.16%	F
20	Fordson High School	District	Dearborn City	City: Small	110.98	97.03%	A
161	Forest High School	District	Forest	Rural: Remote	102.96	74.96%	B
422	Forest Park School	District	Forest Park	Rural: Remote	98.35	34.12%	C
430	Fowler High School	District	Fowler	Rural: Distant	98.14	32.86%	C
521	Fowlerville High School	District	Fowlerville	Town: Fringe	95.95	18.62%	D
107	Frankenmuth High School	District	Frankenmuth	Rural: Fringe	104.48	83.41%	B
165	Frankfort High School	District	Frankfort-Elberta	Rural: Remote	102.89	74.33%	B
338	Franklin High School	District	Livonia	City: Small	99.48	47.26%	C
448	Fraser High School	District	Fraser	Suburb: Large	97.71	30.05%	C
358	Freeland Middle School/High School	District	Freeland	Rural: Fringe	99.18	44.13%	C
163	Fremont High School	District	Fremont	Town: Distant	102.90	74.65%	B
12	Frontier International Academy	Charter	Hamtramck	Suburb: Large	112.15	98.28%	A
480	Fruitport High School	District	Fruitport	Suburb: Midsize	96.99	25.04%	D

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571	Fulton High School	District	Fulton	Rural: Distant	93.99	10.80%	D
214	Galesburg-Augusta High School	District	Galesburg-Augusta	Rural: Fringe	101.73	66.67%	C
348	Garber High School	District	Essexville-Hampton	Suburb: Small	99.29	45.70%	C
536	Garden City High School	District	Garden City	Suburb: Large	95.59	16.28%	D
71	Gaylord High School/Voc. Bldg.	District	Gaylord	Rural: Fringe	106.01	89.05%	B
13	Genesee Early College	Selective	Bendle	City: Midsize	112.06	98.12%	A
408	Genesee High School	District	Genesee	Suburb: Large	98.61	36.31%	C
364	Gladstone High School	District	Gladstone	Town: Remote	99.15	43.19%	C
122	Gladwin High School	District	Gladwin	Town: Distant	103.78	81.06%	B
211	Gobles High School	District	Gobles	Rural: Distant	101.87	67.14%	C
105	Godwin Heights Senior High School	District	Godwin Heights	City: Small	104.55	83.72%	B
512	Goodrich High School	District	Goodrich	Rural: Fringe	96.18	20.03%	D
134	Grand Blanc High School	District	Grand Blanc	Suburb: Large	103.52	79.19%	B
169	Grand Haven High School	District	Grand Haven	Suburb: Midsize	102.81	73.71%	B
487	Grand Ledge High School	District	Grand Ledge	Suburb: Large	96.84	23.94%	D
366	Grand Rapids University Preparatory Academy*	District	Grand Rapids	City: Midsize	99.15	42.88%	C
204	Grand Traverse Academy	Charter	Traverse City	Rural: Fringe	101.94	68.23%	C
213	Grandville High School	District	Grandville	Suburb: Large	101.76	66.82%	C
543	Grass Lake High School	District	Grass Lake	Rural: Distant	95.37	15.18%	D
621	Grattan Academy - Middle/High School	Charter	Greenville	Rural: Fringe	88.80	2.97%	F
14	Grayling High School	District	Crawford Ausable	Rural: Fringe	111.54	97.97%	A
383	Great Lakes Cyber Academy*	Charter	Okemos	Rural: Fringe	98.95	40.22%	C
295	Greenville Senior High School	District	Greenville	Town: Distant	100.31	53.99%	C
192	Grosse Ile High School	District	Grosse Ile Township	Suburb: Large	102.26	70.11%	B
186	Grosse Pointe North High School	District	Grosse Pointe	Suburb: Large	102.43	71.05%	B
50	Grosse Pointe South High School	District	Grosse Pointe	Suburb: Large	107.08	92.33%	A
227	Gull Lake High School	District	Gull Lake	Rural: Fringe	101.61	64.63%	C
226	Gwinn High School	District	Gwinn	Rural: Remote	101.62	64.79%	C
30	H.H. Dow High School	District	Midland	Town: Distant	108.60	95.46%	A
394	Hale High School	District	Hale	Rural: Remote	98.80	38.50%	C
496	Hamady High School	District	Westwood Heights	Suburb: Large	96.63	22.54%	D
268	Hamilton High School	District	Hamilton	Rural: Distant	100.88	58.22%	C
130	Hamtramck High School	District	Hamtramck	Suburb: Large	103.64	79.81%	B
174	Hancock Central High School	District	Hancock	Rural: Fringe	102.65	72.93%	B
323	Hanover-Horton High School	District	Hanover-Horton	Rural: Distant	99.79	49.61%	C
412	Harbor Beach High School	District	Harbor Beach	Rural: Remote	98.56	35.68%	C
46	Harbor Springs High School	District	Harbor Springs	Rural: Distant	107.37	92.96%	A
577	Harper Creek High School	District	Harper Creek	Rural: Fringe	93.71	9.86%	F

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537	Harper Woods High School	District	Harper Woods	Suburb: Large	95.58	16.12%	D
325	Harrison High School	District	Farmington	City: Small	99.72	49.30%	C
441	Harrison High School	District	Harrison	Rural: Fringe	97.85	31.14%	C
80	Hart High School	District	Hart	Rural: Remote	105.62	87.64%	B
87	Hartford High School	District	Hartford	Town: Distant	105.23	86.54%	B
274	Hartland High School	District	Hartland	Suburb: Large	100.78	57.28%	C
74	Haslett High School	District	Haslett	Suburb: Large	105.81	88.58%	B
371	Hastings High School	District	Hastings	Rural: Fringe	99.10	42.10%	C
79	Hazel Park High School	District	Hazel Park	Suburb: Large	105.69	87.79%	B
288	Hemlock High School	District	Hemlock	Rural: Fringe	100.46	55.09%	C
452	Henry Ford Academy	Charter	Dearborn	City: Small	97.63	29.42%	D
573	Henry Ford Academy: School for Creative Studies	Charter	Detroit	City: Large	93.90	10.49%	D
5	Henry Ford Early College	Selective	Dearborn City	Suburb: Large	118.00	99.37%	A
315	Henry Ford II High School	District	Utica	Suburb: Large	99.99	50.86%	C
319	Heritage High School	District	Saginaw Township	Suburb: Midsize	99.88	50.23%	C
217	Hesperia High School	District	Hesperia	Rural: Distant	101.71	66.20%	C
636	Highland Park H.S.	Charter	Highland Park	City: Large	84.27	0.63%	F
469	Hillman Jr/Sr High School	District	Hillman	Rural: Remote	97.31	26.76%	D
180	Hill-McCloy High School	District	Montrose	Rural: Fringe	102.58	71.99%	B
229	Hillsdale High School	District	Hillsdale	Town: Distant	101.56	64.32%	C
297	Holland High School	District	Holland City	City: Small	100.30	53.68%	C
215	Holly High School	District	Holly	Rural: Fringe	101.73	66.51%	C
390	Holt Senior High School	District	Holt	Suburb: Large	98.83	39.12%	C
424	Holton High School	District	Holton	Rural: Distant	98.27	33.80%	C
203	Homer High School	District	Homer	Rural: Distant	101.99	68.39%	C
292	Hopkins High School	District	Hopkins	Rural: Distant	100.37	54.46%	C
35	Houghton Central High School	District	Houghton-Portage Twp.	Rural: Fringe	108.25	94.68%	A
56	Houghton Lake High School	District	Houghton Lake	Rural: Fringe	106.85	91.39%	A
385	Howell High School	District	Howell	Suburb: Midsize	98.90	39.91%	C
286	Hudson High School	District	Hudson	Rural: Distant	100.49	55.40%	C
321	Hudsonville High School	District	Hudsonville	Suburb: Large	99.85	49.92%	C
23	Huron High School	District	Ann Arbor	City: Midsize	110.39	96.56%	A
493	Huron High School	District	Huron	Rural: Fringe	96.70	23.00%	D
327	Ida High School	District	Ida	Rural: Fringe	99.64	48.98%	C
462	Imlay City High School	District	Imlay City	Town: Distant	97.38	27.86%	D
239	Innovation Central High School*	Selective	Grand Rapids	City: Midsize	101.39	62.75%	C
2	International Academy	Selective	Bloomfield Hills	Suburb: Large	123.33	99.84%	A
41	International Academy of Flint (K-12)	Charter	Flint	City: Midsize	107.80	93.74%	A

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393	Ionia High School	District	Ionia	Rural: Fringe	98.81	38.65%	C
418	Iron Mountain High School	District	Iron Mountain	Town: Remote	98.39	34.74%	C
299	Ishpeming High School	District	Ishpeming	Town: Remote	100.25	53.36%	C
259	Ithaca High School	District	Ithaca	Town: Distant	101.04	59.62%	C
626	J.W. Sexton High School	District	Lansing	City: Midsize	87.43	2.19%	F
248	Jackson High School	District	Jackson	City: Small	101.22	61.35%	C
501	Jalen Rose Leadership Academy*	Charter	Detroit	City: Large	96.51	21.75%	D
282	Jeffers High School	District	Adams Township	Rural: Distant	100.63	56.03%	C
599	Jefferson High School	District	Jefferson (Monroe)	Rural: Fringe	91.78	6.42%	F
263	Jenison High School	District	Jenison	Suburb: Large	100.94	59.00%	C
251	Johannesburg-Lewiston High School	District	Johannesburg-Lewiston	Rural: Distant	101.18	60.88%	C
302	John F. Kennedy High School	District	Taylor	City: Small	100.21	52.90%	C
265	John Glenn High School	District	Bangor Township	Suburb: Small	100.90	58.69%	C
477	John Glenn High School	District	Wayne-Westland	Suburb: Large	97.01	25.51%	D
446	Jonesville High School	District	Jonesville	Rural: Distant	97.72	30.36%	C
198	Kalamazoo Central High School	District	Kalamazoo	Suburb: Midsize	102.10	69.17%	C
78	Kalkaska High School	District	Kalkaska	Town: Remote	105.70	87.95%	B
159	Kearsley High School	District	Kearsley	Suburb: Large	102.97	75.27%	B
166	Kelloggsville High School	District	Kelloggsville	City: Small	102.88	74.18%	B
352	Kenowa Hills High School	District	Kenowa Hills	Suburb: Large	99.23	45.07%	C
591	Kensington Woods High School	Charter	Howell	Suburb: Midsize	92.66	7.67%	F
309	Kent City High School	District	Kent City	Rural: Fringe	100.11	51.80%	C
602	King High School	District	Detroit	City: Large	91.46	5.95%	F
404	Kingsford High School	District	Breitung Township	Town: Remote	98.65	36.93%	C
91	Kingsley High School	District	Kingsley	Rural: Distant	105.17	85.92%	B
26	Kingston High School	District	Kingston	Rural: Remote	109.99	96.09%	A
554	Laingsburg High School	District	Laingsburg	Rural: Distant	95.00	13.46%	D
89	Lake City High School	District	Lake City	Rural: Distant	105.21	86.23%	B
54	Lake Fenton High School	District	Lake Fenton	Rural: Fringe	106.87	91.71%	A
209	Lake Linden-Hubbell High School	District	Lake Linden-Hubbell	Rural: Distant	101.88	67.45%	C
150	Lake Orion High School	District	Lake Orion	Rural: Fringe	103.21	76.68%	B
545	Lake Shore High School	District	Lake Shore (Macomb)	Suburb: Large	95.35	14.87%	D
397	Lakeland High School	District	Huron Valley	Suburb: Large	98.72	38.03%	C
392	Laker High School	District	Elkton-Pigeon-Bay Port Laker	Rural: Remote	98.82	38.81%	C
81	Lakeshore High School	District	Lakeshore (Berrien)	Rural: Fringe	105.53	87.48%	B
380	Lakeview High School	District	Lakeview (Macomb)	Suburb: Large	98.98	40.69%	C
391	Lakeview High School	District	Lakeview (Calhoun)	City: Small	98.82	38.97%	C
473	Lakeview High School	District	Lakeview (Montcalm)	Rural: Distant	97.17	26.13%	D

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593	LakeVille High School	District	Lakeville	Rural: Distant	92.46	7.36%	F
333	Lakewood High School	District	Lakewood	Rural: Fringe	99.54	48.04%	C
551	Lamphere High School	District	Lamphere	Suburb: Large	95.06	13.93%	D
489	Landmark Academy	Charter	Kimball	Rural: Fringe	96.80	23.63%	D
438	L'Anse Creuse High School	District	L'Anse Creuse	Suburb: Large	97.88	31.61%	C
503	L'Anse Creuse High School - North	District	L'Anse Creuse	Suburb: Large	96.47	21.44%	D
580	L'Anse High School	District	L'Anse	Rural: Remote	93.50	9.39%	F
409	Lapeer East Senior High School	District	Lapeer	Town: Distant	98.58	36.15%	C
555	LaSalle High School	District	St. Ignace	Rural: Fringe	94.97	13.30%	D
127	Lawrence Jr/Sr High School	District	Lawrence	Rural: Distant	103.66	80.28%	B
93	Lawton High School	District	Lawton	Rural: Fringe	105.11	85.60%	B
39	Lee High School	District	Godfrey-Lee	City: Small	107.92	94.05%	A
482	Lee M. Thurston High School	District	South Redford	Suburb: Large	96.99	24.73%	D
68	Leland School	District	Leland	Rural: Remote	106.12	89.51%	B
303	Leslie High School	District	Leslie	Rural: Distant	100.21	52.74%	C
529	Lincoln High School	District	Van Dyke	City: Midsize	95.75	17.37%	D
156	Lincoln Park High School	District	Lincoln Park	Suburb: Large	103.05	75.74%	B
550	Lincoln Senior High School	District	Lincoln	Rural: Fringe	95.10	14.08%	D
335	Linden High School	District	Linden	Rural: Fringe	99.52	47.73%	C
598	Litchfield High School	District	Litchfield	Rural: Distant	91.81	6.57%	F
196	Lowell Senior High School	District	Lowell	Rural: Fringe	102.12	69.48%	C
113	Loy Norrix High School	District	Kalamazoo	City: Small	104.24	82.47%	B
197	Ludington High School	District	Ludington	Town: Remote	102.11	69.33%	C
520	Madison Academy - High School	Charter	Burton	Suburb: Large	95.97	18.78%	D
94	Madison High School	District	Madison	Suburb: Large	105.07	85.45%	B
101	Madison High School	District	Madison (Lenawee)	Town: Distant	104.69	84.35%	B
401	Manchester High School	District	Manchester	Rural: Distant	98.66	37.40%	C
249	Manistique Middle and High School	District	Manistique	Town: Remote	101.22	61.19%	C
287	Manton High School	District	Manton	Rural: Distant	100.49	55.24%	C
376	Maple City-Glen Lake Jr/Sr High School	District	Glen Lake	Rural: Remote	99.05	41.31%	C
276	Maple Valley Jr/Sr High School	District	Maple Valley	Rural: Distant	100.73	56.96%	C
146	Marcellus High School	District	Marcellus	Rural: Distant	103.27	77.31%	B
240	Marine City High School	District	East China	Suburb: Small	101.39	62.60%	C
267	Marion High School	District	Marion	Rural: Remote	100.88	58.37%	C
128	Marlette Jr./Sr. High School	District	Marlette	Rural: Remote	103.65	80.13%	B
188	Marquette Senior High School	District	Marquette	Town: Remote	102.38	70.74%	B
569	Marshall Academy*	Charter	Marshall	Rural: Fringe	94.03	11.11%	D
230	Marshall High School	District	Marshall	Town: Fringe	101.52	64.16%	C

The Michigan Public High School CAP Report Card: Alphabetical							
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612	Martin High School	District	Martin	Rural: Distant	90.36	4.38%	F
228	Marysville High School	District	Marysville	Suburb: Small	101.59	64.48%	C
168	Mason County Central H.S.	District	Mason County Central	Rural: Distant	102.86	73.87%	B
69	Mason County Eastern Junior High/High School	District	Mason County Eastern	Rural: Distant	106.05	89.36%	B
447	Mason High School	District	Mason (Ingham)	Rural: Fringe	97.72	30.20%	C
604	Mason Senior High School	District	Mason (Monroe)	Rural: Fringe	91.18	5.63%	F
139	Mattawan High School	District	Mattawan	Town: Fringe	103.40	78.40%	B
331	Mayville High School	District	Mayville	Rural: Distant	99.58	48.36%	C
575	McBain High School	District	McBain	Rural: Distant	93.78	10.17%	D
608	Medicine and Health Academy at Cody	District	Detroit	City: Large	90.59	5.01%	F
147	Melvindale High School	District	Melvindale-North Allen Park	Suburb: Large	103.26	77.15%	B
509	Memphis High School	District	Memphis	Rural: Distant	96.31	20.50%	D
250	Mendon Middle/High School	District	Mendon	Rural: Distant	101.20	61.03%	C
416	Menominee High School	District	Menominee	Town: Remote	98.41	35.05%	C
559	Merrill High School	District	Merrill	Rural: Distant	94.75	12.68%	D
541	Merritt Academy	Charter	New Haven	Rural: Fringe	95.47	15.49%	D
172	Mesick Jr/Sr High School	District	Mesick	Rural: Remote	102.75	73.24%	B
428	Michigan Center Jr/Sr High School	District	Michigan Center	Suburb: Small	98.16	33.18%	C
63	Michigan Connections Academy	Charter	Okemos	Rural: Fringe	106.44	90.30%	A
21	Michigan Mathematics and Science Academy*	Charter	Hazel Park	Suburb: Large	110.94	96.87%	A
330	Michigan Virtual Charter Academy	Charter	Grand Rapids	City: Midsize	99.60	48.51%	C
570	Mid Peninsula School	District	Mid Peninsula	Rural: Distant	94.02	10.95%	D
75	Midland High School	District	Midland	Town: Distant	105.79	88.42%	B
458	Milan High School	District	Milan	Rural: Fringe	97.51	28.48%	D
201	Milford High School	District	Huron Valley	Rural: Fringe	102.03	68.70%	C
298	Millington High School	District	Millington	Rural: Distant	100.29	53.52%	C
57	Mio-AuSable High School	District	Mio-Ausable	Rural: Remote	106.84	91.24%	A
170	Mona Shores High School	District	Mona Shores	City: Small	102.80	73.55%	B
566	Monroe High School	District	Monroe	Suburb: Small	94.17	11.58%	D
206	Montabella Junior/Senior High	District	Montabella	Rural: Remote	101.90	67.92%	C
316	Montague High School	District	Montague	Rural: Fringe	99.95	50.70%	C
579	Morenci High School	District	Morenci	Rural: Distant	93.56	9.55%	F
387	Morley Stanwood High School	District	Morley Stanwood	Rural: Distant	98.89	39.59%	C
597	Morrice High School	District	Morrice	Rural: Fringe	91.99	6.73%	F
138	Mott Middle College High School	Selective	Bendle	City: Midsize	103.41	78.56%	B
76	Mount Clemens High School	District	Mount Clemens	Suburb: Large	105.77	88.26%	B
283	Mt. Pleasant Senior High School	District	Mt. Pleasant	Town: Distant	100.58	55.87%	C
633	Mumford High School	District	EAA	City: Large	85.12	1.10%	F

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508	Munising High and Middle School	District	Munising	Rural: Remote	96.36	20.66%	D
629	Muskegon Heights High School	Charter	Muskegon	Suburb: Midsize	85.69	1.72%	F
193	Muskegon High School	District	Muskegon	City: Small	102.20	69.95%	C
353	Napoleon High School	District	Napoleon	Rural: Fringe	99.22	44.91%	C
426	Negaunee High School	District	Negaunee	Town: Remote	98.25	33.49%	C
73	New Buffalo Senior High School	District	New Buffalo	Town: Fringe	105.93	88.73%	B
603	New Haven High School	District	New Haven	Suburb: Large	91.36	5.79%	F
410	New Lothrop High School	District	New Lothrop	Rural: Distant	98.57	35.99%	C
135	Newaygo High School	District	Newaygo	Town: Distant	103.52	79.03%	B
515	Newberry High School	District	Tahquamenon	Town: Remote	96.09	19.56%	D
374	Nexus Academy of Grand Rapids*	Charter	Grand Rapids	City: Midsize	99.06	41.63%	C
344	Nexus Academy of Lansing*	Charter	Lansing	City: Midsize	99.36	46.32%	C
123	Niles Senior High School	District	Niles	City: Small	103.74	80.91%	B
542	North Adams-Jerome Middle/High School	District	North Adams-Jerome	Rural: Distant	95.44	15.34%	D
320	North Branch High School	District	North Branch	Rural: Distant	99.86	50.08%	C
578	North Central Junior/Senior High School	District	North Central	Rural: Remote	93.66	9.70%	F
313	North Dickinson School	District	North Dickinson County	Rural: Remote	100.05	51.17%	C
182	North Farmington High School	District	Farmington	City: Small	102.51	71.67%	B
261	North Huron School	District	North Huron	Rural: Distant	100.99	59.31%	C
254	North Muskegon High School	District	North Muskegon	Suburb: Midsize	101.16	60.41%	C
399	North Star Academy	Charter	Marquette	Town: Remote	98.71	37.72%	C
82	Northern High School	District	Forest Hills	Suburb: Large	105.53	87.32%	B
200	Northview High School	District	Northview	Suburb: Large	102.06	68.86%	C
61	Northville High School	District	Northville	Suburb: Large	106.66	90.61%	A
492	Northwest High School	District	Northwest	Rural: Fringe	96.75	23.16%	D
611	Northwestern High School	District	Flint	City: Midsize	90.40	4.54%	F
622	Northwestern High School	District	Detroit	City: Large	88.70	2.82%	F
530	Norway High School	District	Norway-Vulcan	Rural: Fringe	95.74	17.21%	D
51	Novi High School	District	Novi	City: Small	107.04	92.18%	A
258	Oakland Early College	Selective	West Bloomfield	City: Small	101.05	59.78%	C
318	Oakland International Academy - High School*	Charter	Detroit	City: Large	99.92	50.39%	C
495	Oakridge High School	District	Oakridge	Suburb: Midsize	96.66	22.69%	D
108	Ogemaw Heights High School	District	West Branch-Rose City	Rural: Remote	104.35	83.26%	B
10	Okemos High School	District	Okemos	Rural: Fringe	112.23	98.59%	A
411	Old Redford Academy - High	Charter	Detroit	City: Large	98.57	35.84%	C
246	Olivet High School	District	Olivet	Rural: Distant	101.23	61.66%	C
332	Onaway Senior High School	District	Onaway	Rural: Remote	99.57	48.20%	C
525	Onekama Middle/High School	District	Onekama	Rural: Distant	95.81	18.00%	D

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417	Onsted High School	District	Onsted	Rural: Distant	98.40	34.90%	C
549	Ontonagon Jr/Sr High School	District	Ontonagon	Rural: Remote	95.24	14.24%	D
326	Orchard View High School	District	Orchard View	Rural: Fringe	99.65	49.14%	C
627	Osborn Academy of Mathematics	District	Detroit	City: Large	87.13	2.03%	F
624	Osborn College Preparatory Academy	District	Detroit	City: Large	87.90	2.50%	F
638	Osborn Evergreen Academy of Design and Alternative Energy	District	Detroit	City: Large	83.55	0.31%	F
562	Oscar A. Carlson High School	District	Gibraltar	Suburb: Large	94.39	12.21%	D
187	Oscoda High School	District	Oscoda	Rural: Fringe	102.38	70.89%	B
284	Otsego High School	District	Otsego	Rural: Fringe	100.56	55.71%	C
279	Ottawa Hills High School	District	Grand Rapids	City: Midsize	100.67	56.49%	C
413	Ovid-Elsie High School	District	Ovid-Elsie	Rural: Distant	98.52	35.52%	C
381	Owendale-Gagetown Jr/Sr High School*	District	Owendale-Gagetown	Rural: Distant	98.97	40.53%	C
257	Owosso High School	District	Owosso	Rural: Fringe	101.09	59.94%	C
17	Oxford Early College*	Selective	Oxford	Suburb: Large	111.13	97.50%	A
479	Oxford High School	District	Oxford	Rural: Fringe	97.00	25.20%	D
264	Pansophia Academy	Charter	Coldwater	Town: Distant	100.90	58.84%	C
314	Parchment High School	District	Parchment	Suburb: Midsize	100.05	51.02%	C
120	Paw Paw High School	District	Paw Paw	Rural: Fringe	103.85	81.38%	B
533	Peck Jr./Sr. High School	District	Peck	Rural: Distant	95.69	16.74%	D
454	Pellston Middle/High School	District	Pellston	Rural: Remote	97.59	29.11%	D
552	Pennfield Senior High School	District	Pennfield	Rural: Fringe	95.01	13.77%	D
64	Pentwater School	District	Pentwater	Rural: Remote	106.44	90.14%	A
427	Perry High School	District	Perry	Town: Fringe	98.24	33.33%	C
635	Pershing High School	District	EAA	City: Large	84.67	0.78%	F
266	Petoskey High School	District	Petoskey	Town: Remote	100.88	58.53%	C
245	Pewamo-Westphalia Jr. Sr. High School	District	Pewamo-Westphalia	Rural: Distant	101.25	61.82%	C
609	Pickford High School	District	Pickford	Rural: Distant	90.50	4.85%	F
507	Pinckney High School	District	Pinckney	Suburb: Midsize	96.36	20.81%	D
349	Pinconning High School	District	Pinconning	Rural: Distant	99.27	45.54%	C
350	Pine River High School	District	Pine River	Rural: Remote	99.27	45.38%	C
15	Pioneer High School	District	Ann Arbor	City: Midsize	111.37	97.81%	A
437	Pittsford High School	District	Pittsford	Rural: Distant	97.89	31.77%	C
242	Plainwell High School	District	Plainwell	Town: Fringe	101.35	62.28%	C
567	Plymouth Educational Center Preparatory H.S.	Charter	Detroit	City: Large	94.08	11.42%	D
125	Plymouth High School	District	Plymouth-Canton	Suburb: Large	103.73	80.59%	B
601	Pontiac Academy for Excellence – H.S.	Charter	Pontiac	City: Small	91.57	6.10%	F
631	Pontiac High School	District	Pontiac	City: Small	85.48	1.41%	F
474	Port Huron High School	District	Port Huron	Suburb: Small	97.11	25.98%	D

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343	Port Huron Northern High School	District	Port Huron	Suburb: Small	99.37	46.48%	C
177	Portage Central High School	District	Portage	City: Small	102.61	72.46%	B
151	Portage Northern High School	District	Portage	City: Small	103.21	76.53%	B
511	Portland High School	District	Portland	Town: Distant	96.19	20.19%	D
514	Posen High School	District	Posen	Rural: Remote	96.11	19.72%	D
544	Pottersville High School	District	Pottersville	Rural: Fringe	95.35	15.02%	D
406	Quincy High School	District	Quincy	Rural: Distant	98.61	36.62%	C
463	Ravenna High School	District	Ravenna	Rural: Distant	97.38	27.70%	D
434	Reading High School	District	Reading	Rural: Distant	97.96	32.24%	C
435	Redford Union High School	District	Redford Union	Suburb: Large	97.94	32.08%	C
445	Reed City High School	District	Reed City	Rural: Fringe	97.77	30.52%	C
252	Reese High School	District	Reese	Rural: Distant	101.16	60.72%	C
481	Reeths-Puffer High School	District	Reeths-Puffer	Suburb: Midsize	96.99	24.88%	D
16	Renaissance High School	Selective	Detroit	City: Large	111.15	97.65%	A
523	Richmond High School	District	Richmond	Town: Fringe	95.92	18.31%	D
548	River Rouge High School	District	River Rouge	Suburb: Large	95.27	14.40%	D
223	River Valley High School	District	River Valley	Rural: Distant	101.65	65.26%	C
6	Riverside Academy - West Campus	Charter	Dearborn	City: Small	115.34	99.22%	A
402	Riverview High School	District	Riverview	Suburb: Large	98.65	37.25%	C
614	Robichaud Senior High School	District	Westwood	Suburb: Large	90.07	4.07%	F
40	Rochester Adams High School	District	Rochester	Suburb: Large	107.85	93.90%	A
116	Rochester High School	District	Rochester	Suburb: Large	104.11	82.00%	B
280	Rockford High School	District	Rockford	Suburb: Large	100.63	56.34%	C
453	Rogers City High School	District	Rogers City	Town: Remote	97.61	29.26%	D
421	Romulus Senior High School	District	Romulus	Suburb: Large	98.35	34.27%	C
524	Roosevelt High School	District	Wyandotte	Suburb: Large	95.91	18.15%	D
66	Roscommon High School	District	Roscommon	Rural: Distant	106.41	89.83%	B
442	Roseville High School	District	Roseville	Suburb: Large	97.85	30.99%	C
539	Ross Beatty High School	District	Cassopolis	Rural: Distant	95.52	15.81%	D
136	Royal Oak High School	District	Royal Oak	Suburb: Large	103.50	78.87%	B
4	Saginaw Arts and Sciences Academy	Selective	Saginaw	City: Small	118.81	99.53%	A
594	Saginaw High School	District	Saginaw	City: Small	92.34	7.20%	F
112	Salem High School	District	Plymouth-Canton	Suburb: Large	104.27	82.63%	B
37	Saline High School	District	Saline	Rural: Fringe	107.99	94.37%	A
499	Sand Creek High School	District	Sand Creek	Rural: Distant	96.54	22.07%	D
85	Sandusky High School	District	Sandusky	Town: Distant	105.30	86.85%	B
528	Saranac Jr/Sr High School	District	Saranac	Rural: Distant	95.76	17.53%	D
48	Saugatuck High School	District	Saugatuck	Rural: Distant	107.16	92.64%	A

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466	Sault High School	District	Sault Ste. Marie	Town: Remote	97.35	27.23%	D
398	Schoolcraft High School	District	Schoolcraft	Suburb: Midsize	98.71	37.87%	C
65	Shelby High School	District	Shelby	Rural: Distant	106.44	89.98%	B
395	Shepherd High School	District	Shepherd	Rural: Distant	98.75	38.34%	C
25	Skyline High School	District	Ann Arbor	City: Midsize	110.07	96.24%	A
110	South Haven High School	District	South Haven	Town: Distant	104.31	82.94%	B
414	South Lake High School	District	South Lake	Suburb: Large	98.50	35.37%	C
103	South Lyon East High School	District	South Lyon	Rural: Fringe	104.66	84.04%	B
167	South Lyon High School	District	South Lyon	Suburb: Midsize	102.86	74.02%	B
630	Southeastern High School	District	EAA	City: Large	85.54	1.56%	F
616	Southfield High School	District	Southfield	City: Small	89.91	3.76%	F
615	Southfield-Lathrup High School	District	Southfield	Suburb: Large	90.00	3.91%	F
432	Southgate Anderson High School	District	Southgate	Suburb: Large	98.06	32.55%	C
357	Southwestern Classical Academy	Selective	Flint	City: Midsize	99.18	44.29%	C
317	Sparta Senior High School	District	Sparta	Suburb: Large	99.93	50.55%	C
114	Spring Lake High School	District	Spring Lake	Suburb: Midsize	104.23	82.32%	B
233	Springport High School	District	Springport	Rural: Distant	101.49	63.69%	C
429	St. Charles High School	District	St. Charles	Rural: Distant	98.15	33.02%	C
272	St. Clair High School	District	East China	Rural: Fringe	100.85	57.59%	C
467	St. Johns High School	District	St. Johns	Rural: Fringe	97.33	27.07%	D
83	St. Joseph High School	District	St. Joseph	Suburb: Small	105.34	87.17%	B
360	St. Louis High School	District	St. Louis	Town: Distant	99.17	43.82%	C
244	Standish-Sterling Central High School	District	Standish-Sterling	Rural: Distant	101.30	61.97%	C
1	Star International Academy	Charter	Dearborn Heights	Suburb: Large	126.80	100.00%	A
465	STEMM Academy*	Selective	Ypsilanti	Suburb: Large	97.36	27.39%	D
307	Stephenson High School	District	Stephenson	Rural: Remote	100.12	52.11%	C
144	Sterling Heights Senior H.S.	District	Warren	Suburb: Large	103.32	77.62%	B
329	Stevenson High School	District	Livonia	City: Small	99.61	48.67%	C
378	Stockbridge High School	District	Stockbridge	Rural: Distant	99.03	41.00%	C
95	Stoney Creek High School	District	Rochester	Suburb: Large	105.04	85.29%	B
285	Sturgis High School	District	Sturgis	Town: Distant	100.56	55.56%	C
486	Summerfield Junior/Senior High School	District	Summerfield	Rural: Distant	96.91	24.10%	D
255	Summit Academy North High School	Charter	Huron Township	Suburb: Large	101.11	60.25%	C
449	Superior Central School	District	Superior Central	Rural: Remote	97.70	29.89%	D
451	Suttons Bay Senior High School	District	Suttons Bay	Rural: Distant	97.67	29.58%	D
370	Swan Valley High School	District	Swan Valley	Suburb: Midsize	99.12	42.25%	C
619	Swartz Creek Academy	District	Swartz Creek	Suburb: Large	89.04	3.29%	F
475	Swartz Creek High School	District	Swartz Creek	Suburb: Large	97.10	25.82%	D

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173	Tawas High School	District	Tawas	Rural: Fringe	102.72	73.08%	B
386	Taylor Preparatory High School*	Charter	Taylor	City: Small	98.90	39.75%	C
322	Tecumseh High School	District	Tecumseh	Town: Distant	99.83	49.77%	C
553	Tekonsha Senior High School	District	Tekonsha	Rural: Distant	95.01	13.62%	D
400	Thornapple Kellogg High School	District	Thornapple Kellogg	Rural: Fringe	98.70	37.56%	C
519	Traverse City High School*	District	Traverse City	Town: Remote	95.97	18.94%	D
484	Trenton High School	District	Trenton	Suburb: Large	96.97	24.41%	D
490	Tri County Senior High School	District	Tri County	Rural: Distant	96.79	23.47%	D
443	Trillium Academy	Charter	Taylor	City: Small	97.83	30.83%	C
592	Tri-Township School	District	Rapid River	Rural: Distant	92.49	7.51%	F
24	Troy High School	District	Troy	City: Small	110.35	96.40%	A
207	Truman High School	District	Taylor	City: Small	101.90	67.76%	C
289	Ubly High School	District	Ubly	Rural: Distant	100.45	54.93%	C
237	Union City High School	District	Union City	Rural: Distant	101.44	63.07%	C
132	Union High School	District	Dowagiac Union	Rural: Fringe	103.60	79.50%	B
137	Unionville-Sebewaing High School	District	Unionville-Sebewaing	Rural: Distant	103.46	78.72%	B
19	Universal Academy	Charter	Detroit	City: Large	111.00	97.18%	A
301	University High School	District	Ferndale	Suburb: Large	100.22	53.05%	C
224	University High School Academy	Selective	Southfield	City: Small	101.65	65.10%	C
359	University Preparatory Academy-High School	Charter	Detroit	City: Large	99.18	43.97%	C
470	University Preparatory Science and Math H.S.*	Charter	Detroit	City: Large	97.28	26.60%	D
334	Utica High School	District	Utica	Suburb: Large	99.53	47.89%	C
407	Vandercook Lake High School	District	Vandercook Lake	Suburb: Small	98.61	36.46%	C
291	Vassar Senior High School	District	Vassar	Rural: Fringe	100.37	54.62%	C
563	Vestaburg High School	District	Vestaburg	Rural: Remote	94.37	12.05%	D
236	Vicksburg High School	District	Vicksburg	Suburb: Midsize	101.47	63.22%	C
516	Vista Meadows Academy	Charter	Dearborn Heights	Suburb: Large	96.04	19.41%	D
457	Voyageur Consortium High School	Charter	Detroit	City: Large	97.52	28.64%	D
485	Wakefield-Marenisco School	District	Wakefield-Marenisco	Rural: Distant	96.93	24.26%	D
99	Walkerville High School	District	Walkerville	Rural: Remote	104.80	84.66%	B
238	Walled Lake Central High School	District	Walled Lake	Suburb: Large	101.40	62.91%	C
219	Walled Lake Northern High School	District	Walled Lake	Suburb: Large	101.69	65.88%	C
379	Walled Lake Western High School	District	Walled Lake	Suburb: Large	99.02	40.85%	C
235	Warren Mott High School	District	Warren	City: Midsize	101.47	63.38%	C
347	Warren Woods Tower High School	District	Warren Woods	City: Midsize	99.29	45.85%	C
42	Washtenaw Technical Middle College	Charter	Ann Arbor	Suburb: Large	107.77	93.58%	A
500	Waterford Cyber Academy	District	Waterford	Suburb: Large	96.52	21.91%	D
483	Waterford Kettering High School	District	Waterford	Suburb: Large	96.98	24.57%	D

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415	Waterford Mott High School	District	Waterford	Suburb: Large	98.50	35.21%	C
52	Watervliet Senior High School	District	Watervliet	Town: Fringe	106.98	92.02%	A
494	Waverly Senior High School	District	Waverly	Suburb: Large	96.67	22.85%	D
346	W-A-Y Academy*	Charter	Detroit	City: Large	99.32	46.01%	C
460	Wayland High School	District	Wayland Union	Town: Distant	97.49	28.17%	D
311	Wayne Memorial High School	District	Wayne-Westland	Suburb: Large	100.09	51.49%	C
590	Webberville High School	District	Webberville	Town: Fringe	92.74	7.82%	F
9	Wellspring Preparatory High School*	Charter	Grand Rapids	City: Midsize	112.55	98.75%	A
216	West Bloomfield High School	District	West Bloomfield	Suburb: Large	101.71	66.35%	C
106	West Iron County High School	District	West Iron County	Town: Remote	104.53	83.57%	B
62	West MI Academy of Environmental Science	Charter	Grand Rapids	Suburb: Large	106.65	90.45%	A
97	West Michigan Aviation Academy*	Charter	Grand Rapids	Suburb: Large	104.86	84.98%	B
90	West Ottawa High School Campus	District	West Ottawa	Suburb: Small	105.18	86.07%	B
275	West Senior High	District	Traverse City	Rural: Fringe	100.77	57.12%	C
341	Western High School	District	Western	Rural: Fringe	99.40	46.79%	C
581	Western International High School	District	Detroit	City: Large	93.50	9.23%	F
444	Westwood High School	District	NICE	Town: Remote	97.82	30.67%	C
199	White Cloud High School	District	White Cloud	Rural: Distant	102.09	69.01%	C
162	White Pigeon Jr/Sr High School	District	White Pigeon	Rural: Fringe	102.93	74.80%	B
431	Whiteford High School	District	Whiteford Agricultural	Rural: Fringe	98.07	32.71%	C
342	Whitehall Senior High School	District	Whitehall District	Rural: Fringe	99.37	46.64%	C
456	Whitmore Lake High School	District	Whitmore Lake	Rural: Fringe	97.55	28.79%	D
55	Whittemore-Prescott H.S.	District	Whittemore-Prescott	Rural: Remote	106.86	91.55%	A
600	Will Carleton Charter School Academy	Charter	Hillsdale	Rural: Fringe	91.71	6.26%	F
218	Williamston High School	District	Williamston	Town: Fringe	101.70	66.04%	C
439	Winans Academy High School	Charter	Detroit	City: Large	97.88	31.46%	C
84	Wolverine Middle/High School	District	Wolverine	Rural: Remote	105.33	87.01%	B
368	Woodhaven High School	District	Woodhaven-Brownstown	Suburb: Large	99.12	42.57%	C
96	Wylie E. Groves High School	District	Birmingham	Suburb: Large	104.96	85.13%	B
111	Wyoming High School	District	Wyoming	City: Small	104.28	82.79%	B
305	Yale Senior High School	District	Yale	Rural: Distant	100.14	52.43%	C
595	Ypsilanti New Tech High School*	District	Ypsilanti	Suburb: Large	92.33	7.04%	F
351	Zeeland West High School	District	Zeeland	Rural: Fringe	99.26	45.23%	C

* Denotes schools that have less than four years of data publicly available, but still have enough publicly available data to be included in the model.

Appendix A: Calculating CAP Scores and Letter Grades

The idea behind CAP Scores is to rate a school's performance on standardized tests while controlling for the economic status of students. The data used come from 2012, 2013, 2014 and 2015, and the tests involved are the MME, the new M-STEP test and the ACT.*

The first step in deriving the scores was to create an adjusted performance score for each year. To do this, the subject scores of the two main standardized tests of each year were themselves standardized to have a statewide average of 100, and a variance of 15. The subject scores were then averaged together, and then the scores from the ACT and MME/M-STEP from each school were averaged together to create an adjusted performance score for each year:†

$$\text{Adjusted Performance} = 100 + 15 \left[\frac{(\text{School Avg.} - \text{State Avg.})}{\text{S.D. of State Avg.}} \right]$$

The adjusted performance for each year is then compared to a predicted performance. The predicted performance is the average score one would expect given the economic status of the students taking the tests. To get this predicted performance, the adjusted performance score for each year is regressed against the percentage of students being tested which qualify for free lunch, and then the regression equation is used to generate the predicted performance. The regression equation is as follows:

$$\text{Adj_Perf}_i = \beta_0 + \beta_1(\text{FREE})_i + \mu_i$$

where Adj_Perf_i is the average test score at school i ;

β_0 is a constant and is the predicted score of a school without any students eligible for a free lunch;

β_1 is the estimated impact of the student population's free lunch eligibility rate on a school's average score;

FREE_i is the number of students eligible for free lunch divided by the total student population;

and μ_i is the error term.

A unique equation is generated for each year, and that equation produces a predicted performance for each school for each year. As an example, in 2012, the predicted score for a school was approximately $121.2114 - 44.63149(\text{Free Lunch } \%)$, and Star International Academy, one of the top schools of that year, had about 76.623 percent of its test-taking students eligible for free lunch. Thus, the predicted score for Star International Academy for that year was $121.2114 - 44.63149(.76623) = 87.0134$. The predicted score is then compared to the actual score as a ratio, and multiplied by 100:

$$\text{CAP} = 100 X (\text{Adjusted Performance} / \text{Predicted Performance})$$

* The M-STEP is the new standardized test in Michigan as of 2015, and so in this report the MME and ACT are used for 2012-2014, and the M-STEP and ACT for 2015.

† This is slightly different from the previous methodology where regressions were run by subject.

This yields us the final CAP Score, for a given school, in a particular year. Star International Academy’s adjusted performance for 2012 was 111.18, and so its CAP Score for that year was $100 \times 111.989815 / 87.0134 = 128.704$, the highest in Michigan. An overall CAP Score is calculated by averaging standardized scores for a school from 2012-2015, then regressing those scores against the average percentage of students eligible for free lunch over those years. This overall CAP Score is a good indicator for how the school generally performs, and helps to smooth out a school’s score if they had one particularly good or bad year.

Lastly, letter grades are assigned to schools based upon their percentile rank. The top 10 percent receive A’s, the following 20 percent get B’s, the next 40 percent C’s, then the next 20 percent D’s, and the lowest 10 percent are assigned F’s.*

Graphic 14: Grade Distribution of CAP Report Card

Grade	Percentage of Schools
A	10
B	20
C	40
D	20
F	10

* To a small extent, the 2016 High School CAP scores are more widely distributed at the high end: A (126.80 – 106.44); B (106.44 – 102.26); C (102.20 – 97.71); D (97.70 – 93.73); and F (93.71 – 81.29).

Appendix B: Additional Information About the Methodology

Usage of MME and M-STEP Results

As of 2015, the MME standardized test was replaced by the M-STEP. Of particular interest is whether there were noticeable shifts in the performance of schools due to the test change. There does not appear to be. Individual subject tests from the MME in 2014 well predict those same subjects by schools in 2015.*

	Subject			
	English	Math	Science	Social Studies
Coefficient Estimate				
Constant	21.43*	15.17*	16.46*	17.86*
2014 Score	.7795*	.8426*	.8303*	.8168*
Additional Information				
N	841	841	841	841
Adjusted R-square	0.56	0.67	0.64	0.65

Averaging Scores Before Running Regressions

For yearly CAP results, in the previous report each subject was regressed against the free lunch percentage, and then averaged. In this edition, subject scores are averaged together first, then the test types (ACT and MME/M-STEP) are averaged together. After that those adjusted scores are regressed against free lunch percentages in a given school. This methodology does not substantially change results, but in some cases it prevents subject outliers from disproportionately driving a school's score up or down.

Also, this method helps to minimize possible problems switching from MME to M-STEP; since there are differences in the number of subjects in the M-STEP and MME, averaging the subject scores earlier helps to decrease weighting problems. In the MME, for example, the math test was one-fifth of the CAP score, whereas in the M-STEP it is one-fourth. An outlier subject score in the M-STEP would have greater distortion effects than in the MME. Averaging the scores before the regression helps to minimize this pitfall in least squares regressions.

Similarly, the overall CAP score for a school is calculated by first averaging the adjusted performance scores from all the years used, averaging the free lunch percentages during those years, and running the regression after that. Again, there are no substantial changes to the scores of the vast majority of schools, but it prevents outliers of individual years from disproportionately driving the score of a school up or down.

* Reading and writing tests in the MME were replaced by an English test in the M-STEP. The average of reading and writing scores were used to predict the English score.

Regression Results

Adjusted Performance	School Year				
	2012	2013	2014	2015	Overall
Coefficient Estimate					
Constant	121.21*	120.40*	120.84*	119.56*	121.47*
FREE	-44.63*	-41.90*	-41.97*	-40.33*	-44.83*
Additional Information					
N	615	628	634	639	614
Adjusted R-square	0.67	0.68	0.67	0.60	0.73

* Denotes significance at the 1 percent level.

Appendix C: Locale Codes

The National Center for Education Statistics assigns a school a particular “locale code” based on a formula created by the United States Census Bureau.

The Census Bureau’s “urban-centric” locale codes categorize urban and suburban areas into subgroups based on their size; towns and rural areas are categorized based on their distance from urbanized areas and urban clusters. Distances are determined using straight-line or “Euclidean” distance.*

The definitions of the 12 different locale codes appear in Graphic 14.

Graphic 15: National Center for Education Statistics Locale Code Definitions†

Locale Code	Definition
City: Large	Territory inside an urbanized area and inside a principal city with population of 250,000 or more
City: Midsize	Territory inside an urbanized area and inside a principal city with population less than 250,000 and greater than or equal to 100,000
City: Small	Territory inside an urbanized area and inside a principal city with population less than 100,000
Suburb: Large	Territory outside a principal city and inside an urbanized area with population of 250,000 or more
Suburb: Midsize	Territory outside a principal city and inside an urbanized area with population less than 250,000 and greater than or equal to 100,000
Suburb: Small	Territory outside a principal city and inside an urbanized area with population less than 100,000
Town: Fringe	Territory inside an urban cluster that is less than or equal to 10 miles from an urbanized area
Town: Distant	Territory inside an urban cluster that is more than 10 miles and less than or equal to 35 miles from an urbanized area
Town: Remote	Territory inside an urban cluster that is more than 35 miles [from] an urbanized area
Rural: Fringe	Census-defined rural territory that is less than or equal to 5 miles from an urbanized area, as well as rural territory that is less than or equal to 2.5 miles from an urban cluster
Rural: Distant	Census-defined rural territory that is more than 5 miles but less than or equal to 25 miles from an urbanized area, as well as rural territory that is more than 2.5 miles but less than or equal to 10 miles from an urban cluster
Rural: Remote	Census-defined rural territory that is more than 25 miles from an urbanized area and is also more than 10 miles from an urban cluster

* Tai Phan and Mark Gander, “Documentation to the NCES Common Core of Data Local Education Agency Locale Code File: School Year 2005-06” (National Center for Education Statistics, 2007), 7-8, <https://perma.cc/ETV4-ZG82>.

† Ibid., 3-4.

About the Authors

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