2016 SUMMARY OF STUDENT RESULTS

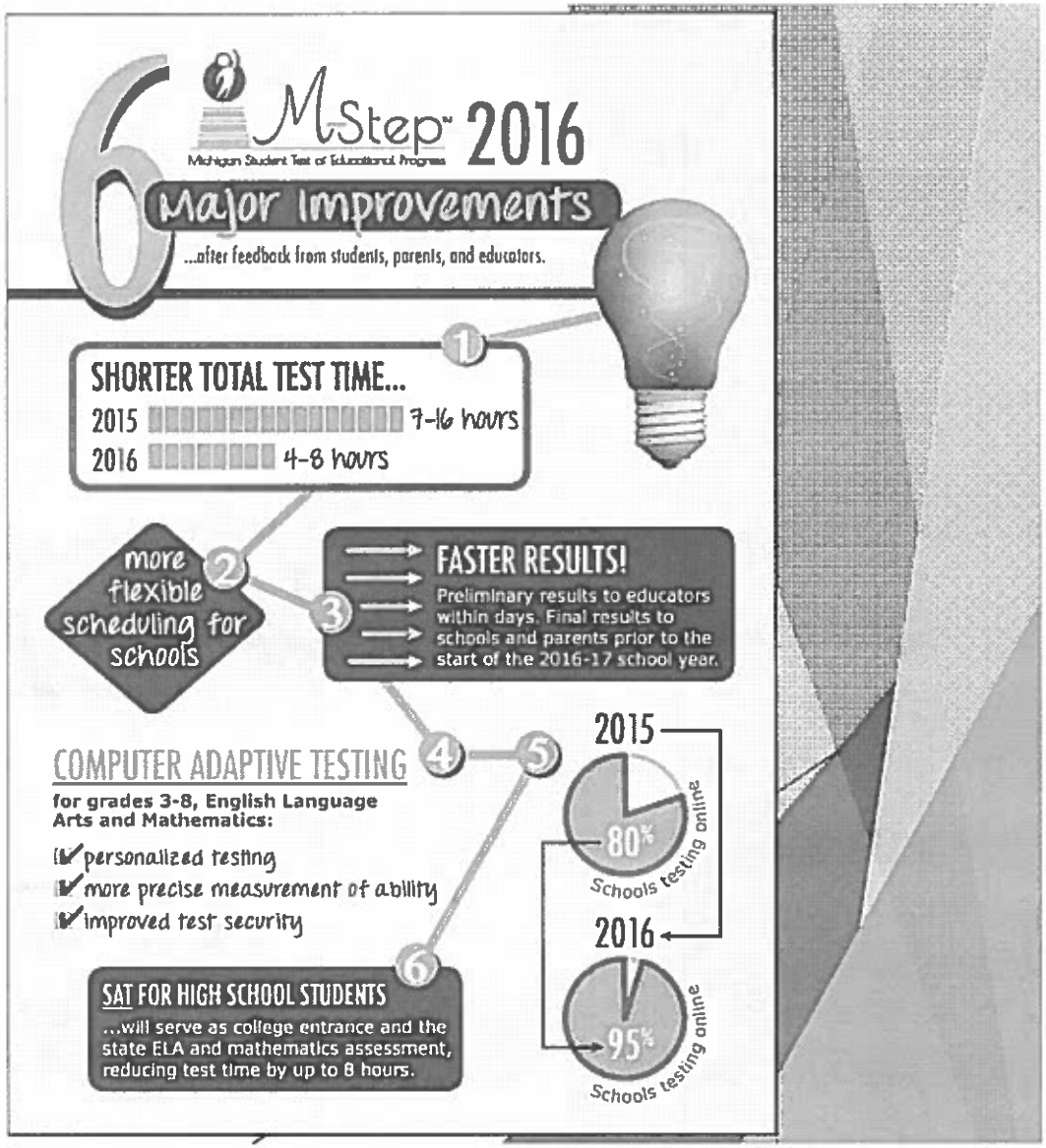
CollegeBoard

SAT

9/8/16

MICHIGAN Department of Education

M-STEP Improvements Spring 2016



2016 M-STEP stats at-a-glance

- 95% of schools took M-STEP online (up from 80% in 2015).
- 3.2 million test sessions over a 3-week period.
- 96% participation rate.

- Assessments in English language arts (ELA) and mathematics used computer adaptive testing (CAT).
- Faster results! Preliminary results within 48 hours; final results on August 30.

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Triple Success

- Students show **proficiency gains** in nearly two-thirds of the grades and subjects tested.
- Students spent **less time testing**, and schools started and ended the test window sooner.
- Schools received **earlier results**.

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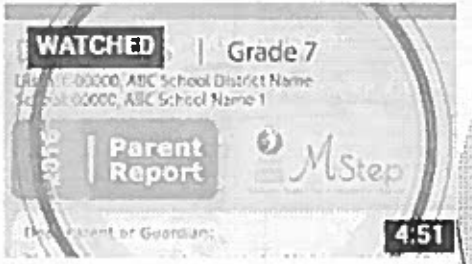
Communication Tools to Support Engagement

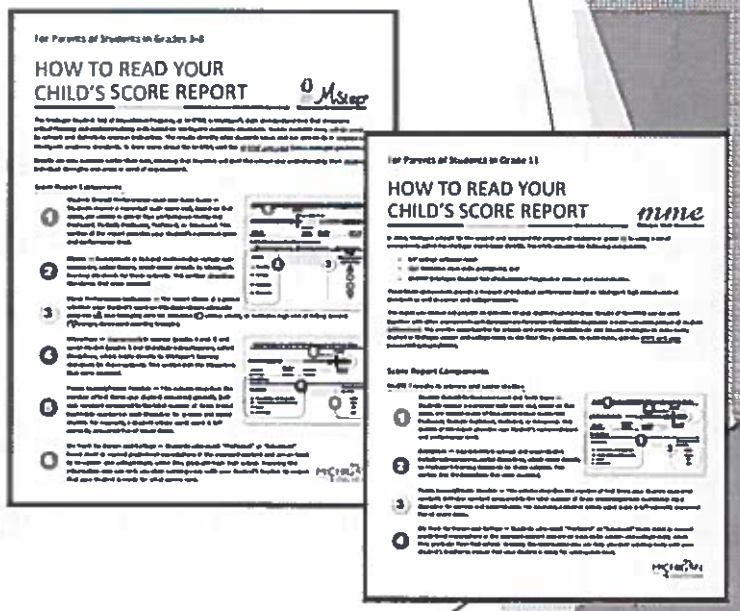
- MDE has developed several new tools for districts and schools to discuss and share their Spring 2016 M-STEP and MME results.
  - M-STEP/MME Parent Report Video, visually walks viewers through the assessment parent reports. The video is now posted on Michigan Department of Education's YouTube and M-STEP websites.



M-STEP/MME Parent Report Video

Communication Tools to Support Engagement...cont'd

- New "How to Read a Student Score Report"
  - For parents of students in grades 3–8 and
  - For parents of students in grade 11
  - Designed to accompany the student score reports sent to parents.



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Result Highlights

- When compared to 2015 statewide results, proficient or advanced M-STEP scores increased in nearly two-thirds (10 of 18) grades and subjects.
- There was good news in **science** results, where student proficiency increased at all three grade levels; the largest gain was in 11th grade (+3.6%).

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Result Highlights...cont'd

- Student proficiency in **ELA** increased in three of six grades. The largest gain occurred grade 5 (1.9%); the largest decrease grade 3 (-4%).
- Student proficiency in **mathematics** increased in 4 of six grades. The largest gain occurred in grade 4 (2.6%), the largest decrease was in grade 3 (3.6).
- **Social studies** student proficiency decreased at all three grade levels, with the largest decline in grade 5.

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MME/SAT Result Highlights...cont'd

- 11th grade science increased from 29.4 in 2015 to 33.03 in 2016 (+3.6%).
- Social studies decreased slightly from 43.86 in 2015 to 43.07 in 2016 (-.79).

MME/SAT Result Highlights...cont'd.

- Michigan SAT Total Mean Score 1001.2
  - SAT Evidence-Based Reading and Writing 507.5
  - SAT Mathematics 493.7
- College Career Ready Determined by College Board
  - SAT Evidence-Based Reading and Writing 60.2
  - SAT Mathematics 36.9

- CCR College and Career Readiness scores – CCR score is determined by SAT. They represent a 75% likelihood of a student achieving at least a "C" grade in a first-semester, credit-bearing college course in a related subject.

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M-Step™ 2016

Michigan Student Test of Educational Progress

RESULTS BY SUBJECT AND GRADE

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Test Results by Subject and Grade

- Four student performance levels:
  - not proficient
  - partially proficient
  - proficient
  - advanced
- Two years of data results for M-STEP.

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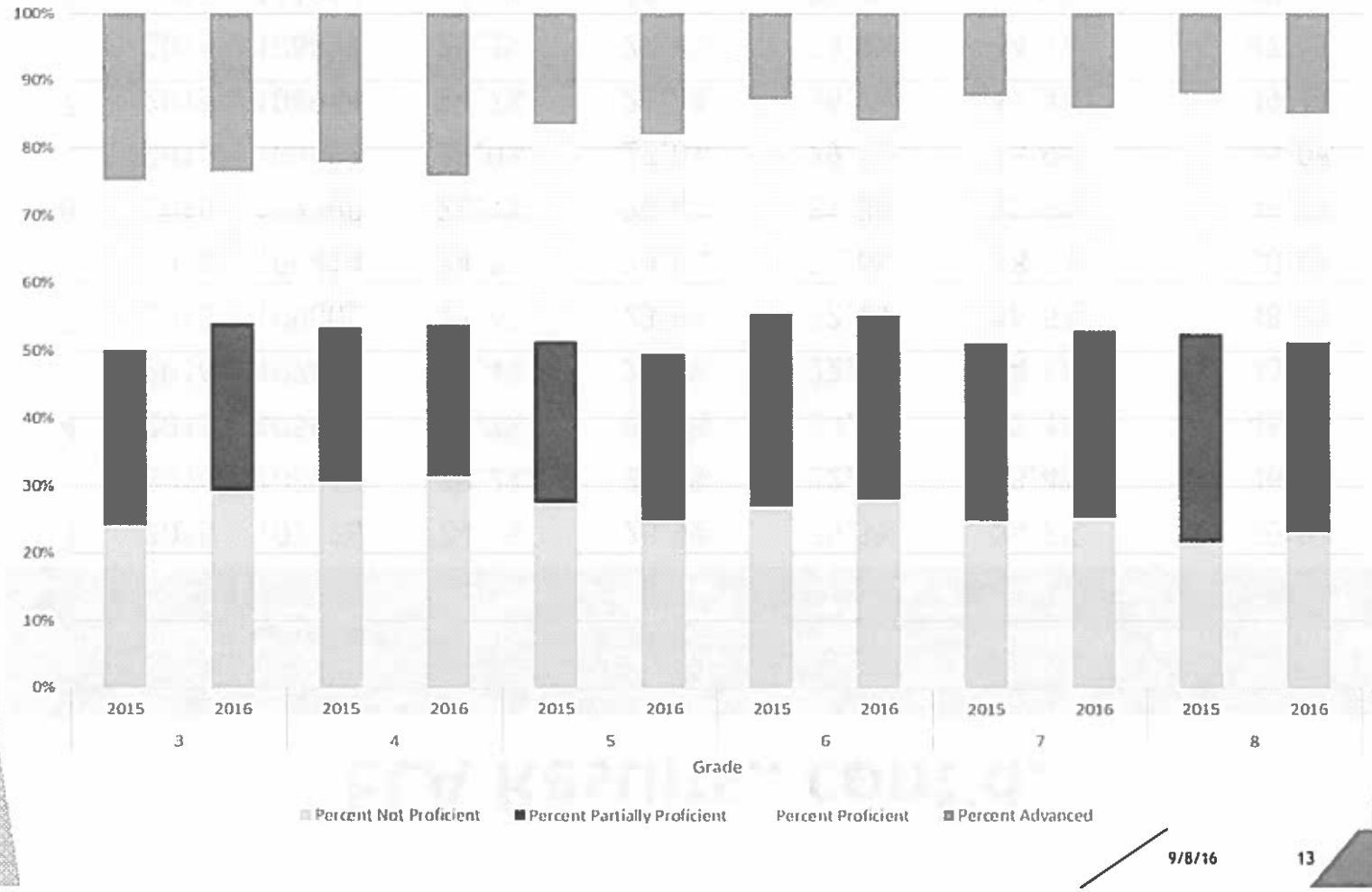
ELA Results


100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
2015
2016
3
4
5
6
7
8
Grade
Percent Not Proficient
Percent Partially Proficient
Percent Proficient
Percent Advanced

ELA Results...cont'd.

Grade	Year	# Included	Not Proficient	Partially Proficient	Proficient	Advanced	Proficient or Above
3	2015	107178	24.1%	25.9%	25.3%	24.7%	50.0%
	2016	107964	29.2%	24.8%	22.6%	23.4%	46.0%
4	2015	105981	30.7%	22.7%	24.5%	22.1%	46.6%
	2016	107442	31.4%	22.3%	22.2%	24.1%	46.3%
5	2015	109002	27.4%	23.9%	32.2%	16.5%	48.7%
	2016	106414	24.8%	24.6%	32.6%	18.0%	50.6%
6	2015	107798	26.9%	28.4%	31.8%	12.9%	44.7%
	2016	109697	28.0%	27.0%	29.1%	15.9%	45.0%
7	2015	108944	24.7%	26.2%	36.7%	12.4%	49.1%
	2016	108822	25.3%	27.6%	33.0%	14.1%	47.1%
8	2015	111863	21.6%	30.8%	35.7%	11.9%	47.6%
	2016	108980	23.2%	28.0%	33.9%	14.9%	48.8%

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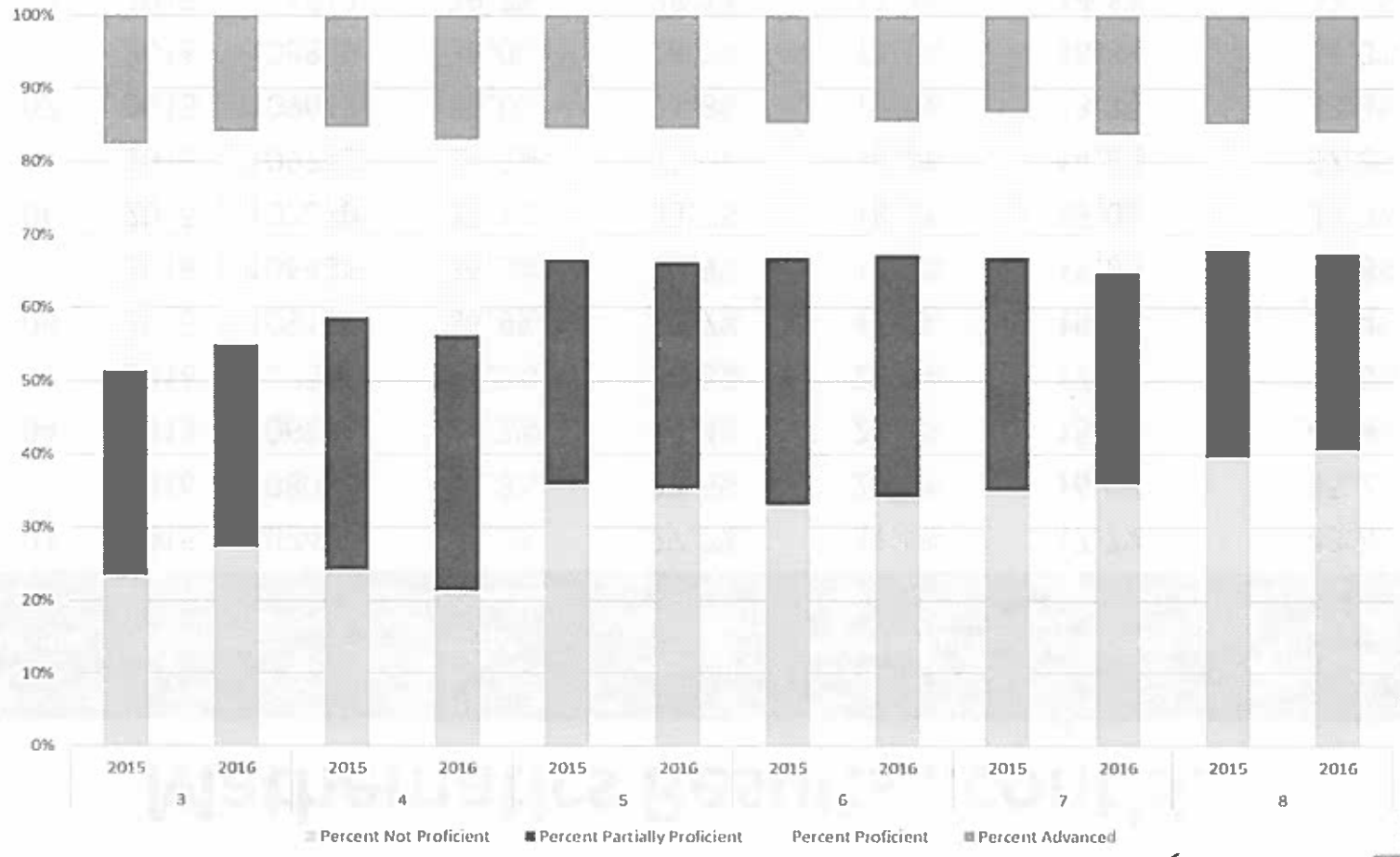
Mathematics Results



Mathematics Results...cont'd.

Grade	Year	# Included	Not Proficient	Partially Proficient	Proficient	Advanced	Proficient or Above
03	2015	107488	23.5%	27.7%	31.1%	17.7%	48.8%
	2016	108040	27.3%	27.5%	29.2%	16.0%	45.2%
04	2015	106231	24.2%	34.4%	26.1%	15.2%	41.4%
	2016	107501	21.3%	34.8%	26.9%	17.1%	44.0%
05	2015	109155	35.9%	30.7%	17.8%	15.6%	33.4%
	2016	106431	35.3%	30.9%	18.2%	15.6%	33.8%
06	2015	107870	33.1%	33.7%	18.3%	15.0%	33.3%
	2016	109742	34.2%	33.0%	18.2%	14.6%	32.8%
07	2015	109012	35.0%	31.8%	19.9%	13.3%	33.3%
	2016	108839	36.0%	28.7%	19.0%	16.3%	35.3%
08	2015	111813	39.7%	28.1%	17.4%	14.8%	32.2%
	2016	109075	40.6%	26.7%	16.6%	16.1%	32.7%

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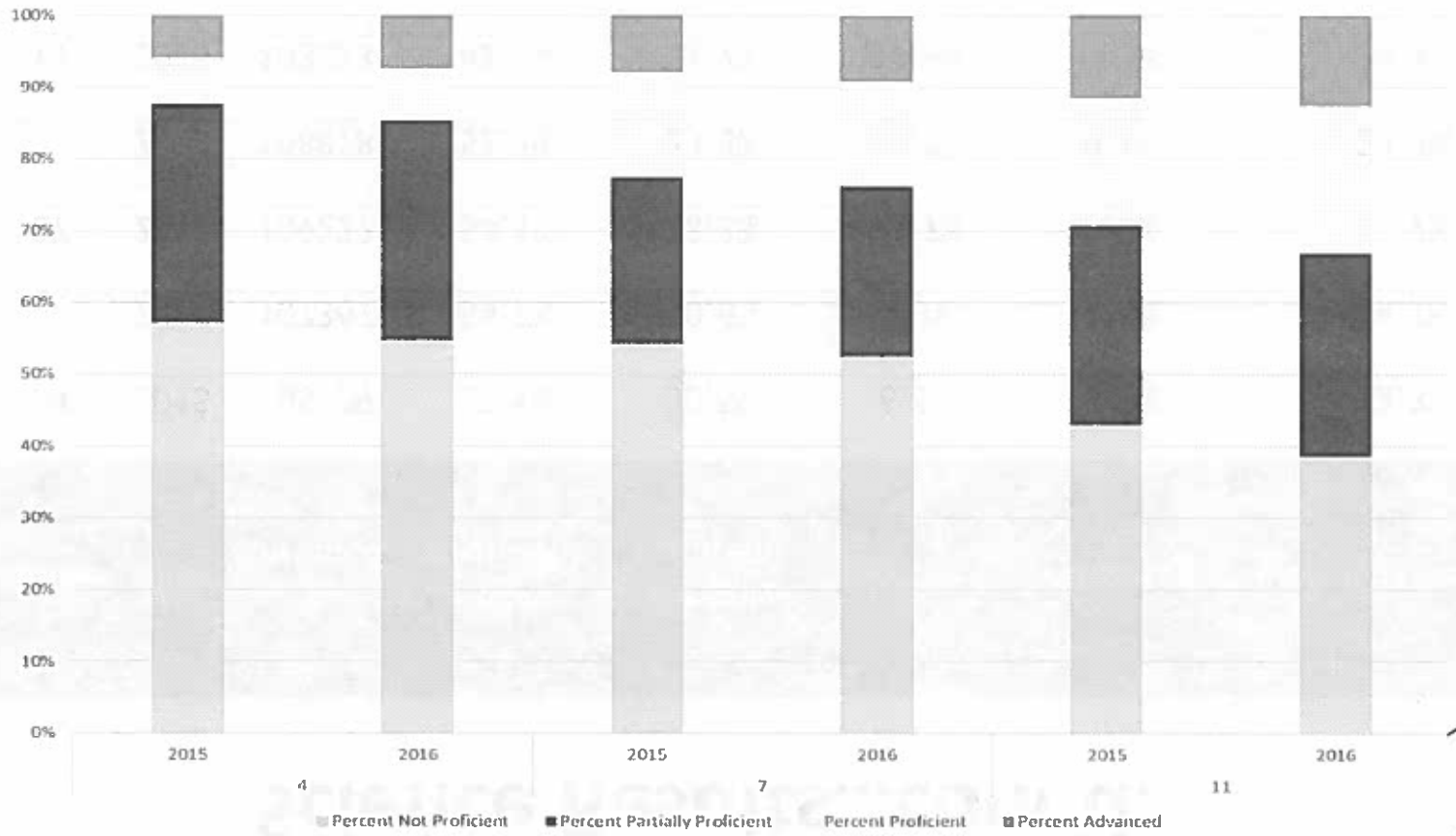
Science Results



Science Results...cont'd.

Grade	Year	# Included	Not Proficient	Partially Proficient	Proficient	Advanced	Proficient or Above
04	2015	105979	57.1%	30.5%	6.5%	5.8%	12.3%
	2016	107367	54.7%	30.6%	7.3%	7.4%	14.7%
07	2015	109227	54.1%	23.3%	14.7%	8.0%	22.7%
	2016	108878	52.3%	23.8%	14.7%	9.1%	23.8%
11	2015	103223	42.9%	27.7%	17.9%	11.5%	29.4%
	2016	104015	38.5%	28.4%	20.4%	12.6%	33.0%

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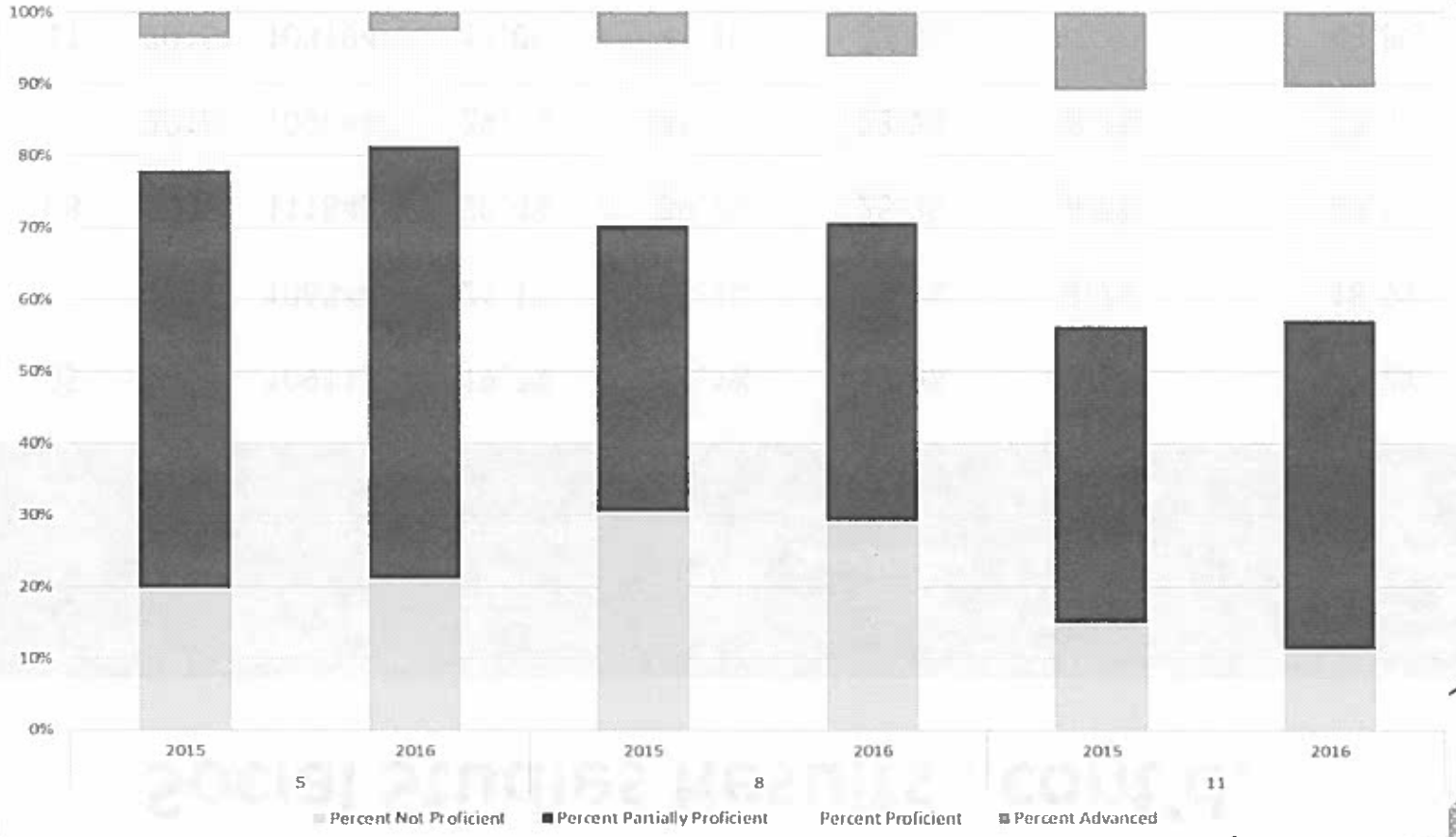
Social Studies Results



Social Studies Results...cont'd.

Grade	Year	# Included	Not Proficient	Partially Proficient	Proficient	Advanced	Proficient or Above
05	2015	109113	19.7%	58.1%	18.6%	3.6%	22.2%
	2016	106544	21.1%	60.1%	16.1%	2.7%	18.9%
08	2015	111842	30.4%	39.9%	25.3%	4.5%	29.8%
	2016	109049	29.1%	41.5%	23.2%	6.1%	29.3%
11	2015	103194	15.0%	41.1%	32.9%	10.9%	43.8%
	2016	104015	11.3%	45.7%	32.5%	10.6%	43.1%

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11th Grade Results – M-STEP

Subject	Year	Percent Not Proficient	Percent Partially Proficient	Percent Proficient	Percent Advanced	Percent Advanced/ Proficient 2015
Science	2015	42.87	27.73	17.93	11.48	29.4
	2016	38.54	28.44	20.41	12.62	33.03
Social Studies	2015	15.01	41.13	32.94	10.92	43.86
	2016	11.25	45.68	32.49	10.58	43.07

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Michigan SAT Scores

Subject	Total Possible Range	Total Score Average	College Career Ready Scores as Determined by College Board
SAT with ESSAY	400-1600	1001.2	
SAT Evidence-Based Reading & Writing	200-800	507.5	60.2
SAT Mathematics	200-800	493.7	36.9
ESSAY Scores			
Reading	2-8	4.6	
Analysis	2-8	3.5	
Writing	2-8	4.5	

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