

# Appendix F

## Student Outcomes

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# SOL Proficiency Scores for Gifted Students

## Elementary SOL Results for Students Identified as Gifted

Table 1: Elementary Reading SOL Results for Students Identified as Gifted in English

	<b>2013-14 (n=682)</b>	<b>2014-15 (n=856)</b>	<b>2015-16 (n=1,051)</b>
<b>Advanced</b>	66%	75%	72%
<b>Proficient</b>	33%	25%	27%
<b>Failed</b>	1%	0%	0%

Table 2: Elementary Math SOL Results for Students Identified as Gifted in Math

	<b>2013-14 (n=850)</b>	<b>2014-15 (n=1,055)</b>	<b>2015-16 (n=1,234)</b>
<b>Advanced</b>	80%	84%	81%
<b>Proficient</b>	20%	16%	18%
<b>Failed</b>	0%	0%	1%

Table 3: Elementary Science SOL Results for Students Identified as Gifted in Science

	<b>2013-14 (n=96)</b>	<b>2014-15 (n=112)</b>	<b>2015-16 (n=175)</b>
<b>Advanced</b>	69%	65%	75%
<b>Proficient</b>	31%	35%	24%
<b>Failed</b>	0%	0%	1%

Table 4: Elementary Social Studies SOL Results for Students Identified as Gifted in Social Studies

	<b>2013-14 (n=62)</b>	<b>2014-15 (n=101)</b>	<b>2015-16 (n=148)</b>
<b>Advanced</b>	87%	86%	90%
<b>Proficient</b>	11%	14%	10%
<b>Failed</b>	2%	0%	0%

## Middle School SOL Results for Students Identified as Gifted

Table 5: Middle School Reading SOL Results for Students Identified as Gifted in English

	<b>2013-14 (n=656)</b>	<b>2014-15 (n=861)</b>	<b>2015-16 (n=922)</b>
<b>Advanced</b>	61%	57%	65%
<b>Proficient</b>	39%	43%	34%
<b>Failed</b>	0%	1%	1%

Table 6: Middle School Writing SOL Results for Students Identified as Gifted in English

	<b>2013-14 (n=192)</b>	<b>2014-15 (N=270)</b>	<b>2015-16 (n=271)</b>
<b>Advanced</b>	82%	82%	78%
<b>Proficient</b>	17%	18%	21%
<b>Failed</b>	2%	0%	1%

Table 7: Middle School Math SOL Results for Students Identified as Gifted in Math

	<b>2013-14 (n=709)</b>	<b>2014-15 (n=867)</b>	<b>2015-16 (n=1,027)</b>
<b>Advanced</b>	54%	57%	56%
<b>Proficient</b>	46%	43%	44%
<b>Failed</b>	0%	0%	1%

Table 8: Middle School Science SOL Results for Students Identified as Gifted in Science

	<b>2013-14 (n=76)</b>	<b>2014-15 (n=152)</b>	<b>2015-16 (n=112)</b>
<b>Advanced</b>	76%	70%	74%
<b>Proficient</b>	24%	30%	26%
<b>Failed</b>	0%	0%	0%

Table 9: Middle School Social Studies SOL Results for Students Identified as Gifted in Social Studies

	<b>2013-14 (n=296)</b>	<b>2014-15 (n=166)</b>	<b>2015-16 (n=302)</b>
<b>Advanced</b>	78%	64%	59%
<b>Proficient</b>	22%	36%	41%
<b>Failed</b>	0%	0%	0%

## High School SOL Results for Students Identified as Gifted

Table 10: High School Reading SOL Results for Students Identified as Gifted in English

	<b>2013-14 (n=206)</b>	<b>2014-15 (n=171)</b>	<b>2015-16 (n=164)</b>
<b>Advanced</b>	46%	32%	46%
<b>Proficient</b>	53%	68%	54%
<b>Failed</b>	1%	0%	0%

Table 11: High School Writing SOL Results for Students Identified as Gifted in English

	<b>2013-14 (n=206)</b>	<b>2014-15 (n=170)</b>	<b>2015-16 (n=165)</b>
<b>Advanced</b>	87%	85%	87%
<b>Proficient</b>	13%	15%	13%
<b>Failed</b>	0%	0%	0%

Table 12: High School Math SOL Results for Students Identified as Gifted in Math

	<b>2013-14 (n=255)</b>	<b>2014-15 (n=287)</b>	<b>2015-16 (n=317)</b>
<b>Advanced</b>	62%	56%	55%
<b>Proficient</b>	37%	43%	45%
<b>Failed</b>	1%	1%	1%

Table 13: High School Science SOL Results for Students Identified as Gifted in Science

	<b>2013-14 (n=145)</b>	<b>2014-15 (n=159)</b>	<b>2015-16 (n=208)</b>
<b>Advanced</b>	58%	69%	66%
<b>Proficient</b>	41%	30%	34%
<b>Failed</b>	1%	1%	0%

Table 14: High School Social Studies SOL Results for Students Identified as Gifted in Social Studies

	<b>2013-14 (n=166)</b>	<b>2014-15 (n=187)</b>	<b>2015-16 (n=244)</b>
<b>Advanced</b>	56%	59%	65%
<b>Proficient</b>	44%	41%	35%
<b>Failed</b>	0%	0%	0%

# Reading Inventory for Students Identified Gifted in English

The Reading Inventory (RI) is a computer-adaptive reading assessment that measures reading comprehension using Lexile measures. Lexile measures indicate a student's reading level and can be used to match readers with appropriately leveled text<sup>1</sup>.

Middle schools in APS administer the RI in the fall and spring to measure students' growth in reading levels. The expected growth within a school year is 75 Lexiles. This evaluation includes an analysis of growth in Lexiles for middle school students identified as gifted in English. Growth is examined for two groups of gifted students: those whose fall Lexiles placed them in the advanced band, and those whose fall Lexiles placed them below advanced.

Table 1: Percentage of Students with a 75 Point RI Score Increase from Fall to Spring, for Students in the RI Advanced Band at Fall Test Administration

Grade	School Year					
	2013-14		2014-15		2015-16	
	N	% with a 75 point score increase	N	% with a 75 point score increase	N	% with a 75 point score increase
<b>6</b>	158	44%	237	35%	250	43%
<b>7</b>	196	42%	192	31%	275	28%
<b>8</b>	128	38%	142	23%	231	23%

Table 2: Percentage of Students with a 75 Point RI Score Increase from Fall to Spring, for Students in not the RI Advanced Band at Fall Test Administration

Grade	School Year					
	2013-14		2014-15		2015-16	
	N	% with a 75 point score increase	N	% with a 75 point score increase	N	% with a 75 point score increase
<b>6</b>	47	68%	55	56%	60	65%
<b>7</b>	35	91%	20	50%	22	82%
<b>8</b>	24	71%	17	59%	27	41%

<sup>1</sup> <https://lexile.com>

# AP Exam Results for Gifted Students

Table 1: AP Art Exam Results

Score	2011-12 (n=34)	2012-13 (N=26)	2013-14 (n=12)	2014-15 (n=17)	2015-16 (n=21)
1	12%	0%	0%	6%	0%
2	21%	15%	8%	18%	14%
3	29%	35%	42%	35%	43%
4	24%	27%	33%	18%	38%
5	15%	23%	17%	24%	5%

Table 2: AP English Language Arts Exam Results

Score	2011-12 (n=222)	2012-13 (N=221)	2013-14 (n=240)	2014-15 (n=254)	2015-16 (n=218)
1	5%	1%	2%	2%	3%
2	9%	12%	8%	9%	10%
3	25%	30%	27%	31%	23%
4	35%	34%	35%	30%	34%
5	27%	24%	28%	28%	30%

Table 3: AP Math Exam Results

Score	2011-12 (n=220)	2012-13 (N=240)	2013-14 (n=275)	2014-15 (n=262)	2015-16 (n=275)
1	9%	6%	7%	11%	12%
2	5%	8%	6%	8%	8%
3	11%	20%	15%	17%	21%
4	28%	22%	19%	23%	26%
5	47%	43%	53%	42%	35%

Table 4: AP Music Exam Results

Score	2011-12 (N=36)	2012-13 (N=39)	2013-14 (n=33)	2014-15 (n=21)	2015-16 (n=36)
1	3%	0%	6%	14%	0%
2	6%	18%	9%	33%	8%
3	19%	36%	33%	33%	25%
4	28%	21%	15%	10%	31%
5	44%	26%	36%	10%	36%

Table 5: AP Science Exam Results

Score	2011-12 (N=59)	2012-13 (N=58)	2013-14 (n=68)	2014-15 (n=84)	2015-16 (n=76)
1	9%	12%	13%	8%	8%
2	9%	21%	6%	8%	12%
3	15%	12%	21%	36%	16%
4	36%	24%	16%	30%	24%
5	32%	31%	44%	18%	41%

Table 6: AP Social Studies Exam Results

Score	2011-12 (N=218)	2012-13 (N=236)	2013-14 (n=247)	2014-15 (n=271)	2015-16 (n=284)
1	4%	3%	4%	3%	1%
2	14%	9%	8%	8%	8%
3	15%	21%	21%	23%	19%
4	29%	32%	35%	36%	30%
5	38%	35%	32%	31%	43%

# IB Exam Results for Gifted Students

Table 1: IB Test Scores in Art for Students Identified Gifted in Art

	<b>2011-12</b> <b>*less than 5</b>	<b>2012-13</b> <b>*less than 5</b>	<b>2013-14</b> <b>(n=7)</b>	<b>2014-15</b> <b>(n=6)</b>	<b>2015-16</b> <b>* less than 5</b>
<b>1</b>			0%	0%	
<b>2</b>			0%	0%	
<b>3</b>			0%	0%	
<b>4</b>			0%	0%	
<b>5</b>			29%	50%	
<b>6</b>			43%	33%	
<b>7</b>			29%	17%	

\*Samples sizes less than 5 are not reported

Table 2: IB Test Scores in English Language Arts for Students Identified Gifted in English Language Arts

	<b>2011-12</b> <b>(n=32)</b>	<b>2012-13</b> <b>(n=41)</b>	<b>2013-14</b> <b>(n=40)</b>	<b>2014-15</b> <b>(n=38)</b>	<b>2015-16</b> <b>(n=40)</b>
<b>1</b>	0%	0%	0%	0%	0%
<b>2</b>	0%	0%	0%	0%	0%
<b>3</b>	0%	0%	0%	0%	0%
<b>4</b>	34%	12%	5%	8%	13%
<b>5</b>	53%	51%	45%	37%	30%
<b>6</b>	13%	32%	40%	50%	50%
<b>7</b>	0%	5%	10%	5%	8%

Table 3: IB Test Scores in Math for Students Identified Gifted in Math

	<b>2011-12</b> <b>(n=44)</b>	<b>2012-13</b> <b>(n=27)</b>	<b>2013-14</b> <b>(n=52)</b>	<b>2014-15</b> <b>(n=32)</b>	<b>2015-16</b> <b>(n=76)</b>
<b>1</b>	0%	0%	0%	0%	0%
<b>2</b>	5%	4%	0%	0%	0%
<b>3</b>	2%	11%	4%	9%	7%
<b>4</b>	18%	11%	21%	16%	15%
<b>5</b>	21%	11%	17%	16%	16%
<b>6</b>	46%	48%	52%	38%	41%
<b>7</b>	9%	15%	6%	22%	22%



Table 4: IB Test Scores in Science for Students Identified Gifted in Science

	<b>2011-12 (n=15)</b>	<b>2012-13 (n=26)</b>	<b>2013-14 (n=23)</b>	<b>2014-15 (n=18)</b>	<b>2015-16 (n=23)</b>
<b>1</b>	0%	0%	0%	0%	0%
<b>2</b>	0%	8%	4%	6%	0%
<b>3</b>	13%	31%	35%	6%	4%
<b>4</b>	40%	15%	26%	39%	30%
<b>5</b>	33%	23%	17%	22%	39%
<b>6</b>	13%	23%	17%	17%	13%
<b>7</b>	0%	0%	0%	11%	13%

Table 5: IB Test Scores in Social Studies for Students Identified Gifted in Social Studies

	<b>2011-12 (n=50)</b>	<b>2012-13 (n=58)</b>	<b>2013-14 (n=86)</b>	<b>2014-15 (n=75)</b>	<b>2015-16 (n=57)</b>
<b>1</b>	0%	0%	0%	0%	0%
<b>2</b>	4%	0%	1%	4%	0%
<b>3</b>	20%	2%	8%	8%	4%
<b>4</b>	26%	19%	22%	27%	18%
<b>5</b>	28%	43%	51%	27%	46%
<b>6</b>	18%	28%	12%	31%	26%
<b>7</b>	4%	9%	6%	4%	7%