

Wheatley Data Overview

5 October 2016



Early Highlights of 2016-17!

- **3 students** were designated **National Merit Semi-Finalists**: Jakob Gilbert, Michelle Lin and Ashley Nussbaum
- **1 student** was designated a **National Merit Commended** student: Abdullah Hassan
- **3 students** were selected for the 2016 NYSSMA All-State Conference: Lauren Levine, Justin Vega and Emily Wang

Note on the Data

- The 2015-16 Nassau County and NYS data are not available yet. The data presented on the following slides contain complete results up to 2014-15, but only Wheatley data for 2015-16

Graduation Rate

Graduation Rates

	2013-14		2014-15		2015-16	
	Grad	Adv. Des.	Grad.	Adv. Des.	Grad.	Adv. Des
Wheatley	99	84	99	86	99	85
Nassau	89	54	90	56		
NYS	76	31	78	32		

The Advanced Designation rate was the 2nd highest in Nassau County!

SAT and ACT Scores

SAT Scores

	Wheatley				National			
	CR	M	W	Total	CR	M	W	Total
2016	570	604	597	1771	494	508	482	1484
2015	572	601	594	1767	495	511	484	1490
2014	558	582	574	1714	497	513	487	1497
2013	550	589	576	1715	496	514	488	1498

National scores fell in 2016;
Wheatley scores rose!

ACT Composite Scores

	Wheatley	NYS	National
2016	25.6	23.9	n/a
2015	25.9	23.7	21.0
2014	25.6	23.4	21.0
2013	25.2	23.4	20.9

Regents Examinations

Algebra 1 CC Results

	2013-14			2014-15			2015-16		
	≥L3	L4	L5	≥L3	L4	L5	≥L3	L4	L5
Wheatley	91	34	18	98	42	19	99	32	38
Nassau	79	30	8	74	24	10			
NYS	68	22	4	63	17	6			

↑ NYS Passing

↑ Common Core Passing (2022)

↑ Common Core Mastery (2022)

Note improvement in Level 5 attainment!

Geometry Results

	2013-14 (non CC)		2014-15 (CC)			2015-16 (CC)		
	≥65	≥85	≥L3	L4	L5	≥L3	L4	L5
Wheatley	93	61	90	15	42	92	15	25
Nassau	82	35	70	12	17			
NYS	73	26	63	11	13			

2015 was the first administration of the Common Core Geometry Regents examination

NYS Passing

Common Core Passing (2022)

Common Core Mastery (2022)

Algebra 2/Trig Results

	2013-14 (non CC)		2014-15 (non CC)		2015-16 (Common Core)		
	≥65	≥85	≥65	≥85	≥L3	L4	L5
Wheatley	93	61	90	42	98	30	31
Nassau	73	36	66	28			
NYS	65	29	60	24			

1st year of Common Core exams have resulted in higher passing and mastery rates.

English Regents Results

	2013-14 (non CC)		2014-15 (CC)		2015-16 (CC)	
	≥65	≥85	≥L3	≥L5	≥L3	≥L5
Wheatley	99	80	100	94	99	86
Nassau	92	51	94	78		
NYS	82	32	80	45		

Note two consecutive years of strong performance on English CC examination.

Global Regents Results

	2013-14		2014-15		2015-16	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	99	63	98	78	97	61
Nassau	81	47	82	46		
NYS	66	29	67	29		

This 10th Grade examination is based on 2-years of curricula.

US History Regents Results

	2013-14		2014-15		2015-16	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	98	76	100	92	100	79
Nassau	91	64	93	66		
NYS	79	44	84	47		

Note the consistently strong mastery rate

Living Environment Results

	2013-14		2014-15		2015-16	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	98	73	100	78	99	54
Nassau	89	50	88	50		
NYS	78	32	77	33		

2015 marked the first time our 8th Graders took the Living Environment exam after the curriculum shift.

This lower mastery rate is being analyzed

Earth Science Regents Results

	2013-14		2014-15		2015-16	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	98	82	95	43	100	84
Nassau	84	48	84	43		
NYS	72	33	72	29		

Only 41 students took the Earth Science Regents in 2015. In 2016, most 9th graders took this exam (after taking Living Environment in 8th grade).

Chemistry Regents Results

	2013-14		2014-15		2015-16	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	93	40	95	43	95	50
Nassau	84	30	85	30		
NYS	73	21	75	22		

Note increase in mastery rate. For 2015, this is the 6th best passing rate and mastery rate in Nassau County.

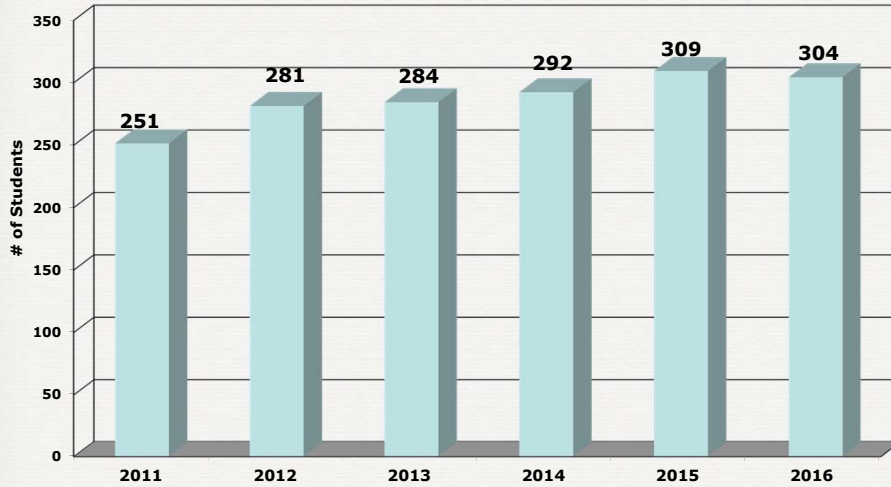
Physics Regents Results

	2013-14		2014-15		2015-16	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	93	40	81	15	90	35
Nassau	86	42	88	44		
NYS	81	37	82	38		

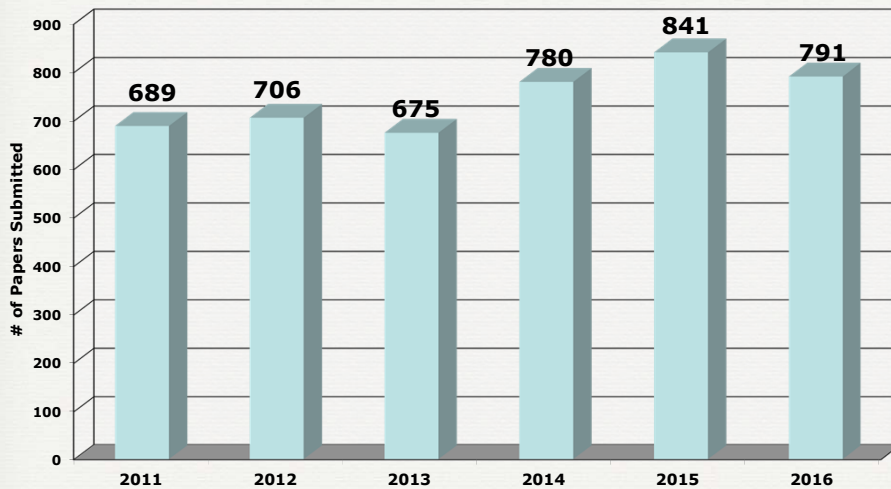
Our strongest Physics students do not take the Regents exam, as they take only the AP examination. Only 20 students took the exam in June 2016.

Advanced Placement Program

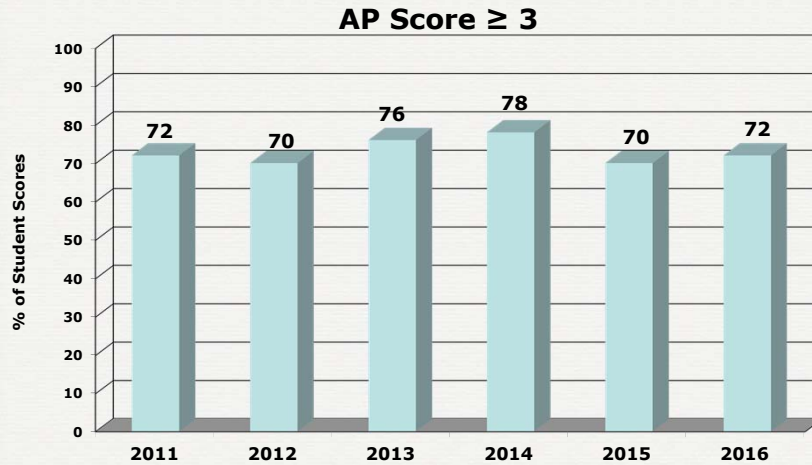
AP Participation (Students)



AP Participation (Exams)



AP Passing Rate



The May 2016 passing rate is the same as the May 2011 passing rate, despite having 53 more students and 102 more exams!

AP Scholars

	Scholar	Scholar Honor	Scholar Distinction	National Scholar	Total (exclude Nat. Scholars)
2016	60	24	53	15	137
2015	42	25	60	14	127
2014	49	39	53	7	141
2013	43	38	35	7	116
2012	44	21	46	9	111
2011	46	38	37	4	121
2010	48	31	18	2	97

3 or more exams with scores of at least 3

Avg score at least 3.25. Score of at least 3 on 4 exams

Avg score at least 3.5. Score of at least 3 on 5 exams

Avg score at least 4.0. Score of at least 4 on 8 exams

Overall Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	110	16	88	13	125	16	121	14	141	18
4	189	27	201	30	240	31	216	26	204	26
3	195	28	227	34	245	31	252	30	225	28
2	123	17	128	19	119	15	156	18	149	19
1	89	13	31	5	51	7	96	11	72	9
	706	70%	675	76%	780	78%	841	70%	791	72%

Annual passing rates

Calculus AB Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	12	30	3	11	12	30	3	4	10	16
4	7	17	11	41	10	24	15	22	15	23
3	8	20	8	30	11	27	12	18	19	30
2	6	15	3	11	6	15	13	19	6	9
1	7	17	2	7	2	5	25	37	14	22
	40	68%	27	82%	41	80%	68	44%	64	69%

Calculus BC Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	12	75	15	58	12	50	12	46	7	32
4	0	0	4	15	5	21	8	31	3	14
3	1	6	6	23	4	17	4	15	8	36
2	1	6	1	4	0	0	1	4	2	9
1	2	12	0	0	3	12	1	4	2	9
	16	81%	26	96%	24	88%	26	92%	22	82%

Statistics Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	6	22	1	8	5	24	4	20	2	11
4	10	37	5	38	8	38	6	30	7	37
3	8	30	3	23	6	29	4	20	4	21
2	2	7	3	23	1	5	3	15	2	11
1	1	4	1	8	1	5	3	15	4	21
	27	89%	13	69%	21	91%	20	70%	19	68%

Computer Science A Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	3	43	3	30	2	13	3	50	5	36
4	3	43	6	60	5	33	2	33	0	0
3	1	14	1	10	4	27	1	17	3	21
2	0	0	0	0	2	13	0	0	5	36
1	0	0	0	0	2	13	0	0	1	7
	7	100%	10	100%	15	73%	6	100%	14	57%

European History/World History Score Distribution

AP World History

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	3	5	7	8	19	28	14	23	12	17
4	15	23	24	29	21	31	19	31	25	36
3	33	51	41	50	24	35	20	32	24	34
2	7	11	10	12	4	6	8	13	9	13
1	7	11	0	0	0	0	1	2	0	0
	65	78%	82	88%	68	94%	62	86%	70	87%

US History Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	8	11	9	11	13	14	19	21	16	21
4	21	30	26	30	36	40	14	15	29	37
3	21	30	31	36	21	23	21	23	16	21
2	20	28	19	22	19	21	28	31	14	18
1	1	1	2	2	2	2	9	10	3	4
	71	70%	87	76%	91	77%	91	59%	78	78%

Human Geography Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	14	18	8	12	9	10	11	14	4	8
4	27	34	22	34	26	29	22	28	3	6
3	20	25	21	32	24	26	20	26	5	10
2	13	16	12	18	21	23	10	13	16	33
1	6	7	2	3	12	13	15	19	21	43
	80	76%	65	78%	92	64%	78	68%	49	25%

Macroeconomics Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5							2	8	15	35
4							9	38	8	19
3							7	29	9	21
2							2	8	7	16
1							4	17	4	9
							24	75%	43	74%

US Government & Politics Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	2	11	3	20	2	12	3	27	2	12
4	4	22	5	33	2	12	1	9	1	6
3	4	22	3	20	5	29	3	27	5	31
2	4	22	1	7	6	35	0	0	7	44
1	4	22	3	20	2	12	4	36	1	6
	18	56%	15	73%	17	53%	11	64%	16	50%

English Language (11th) Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	5	9	8	10	6	8	9	13	9	11
4	23	42	21	27	26	33	10	14	23	29
3	23	42	33	42	34	44	31	43	33	42
2	4	7	16	20	11	14	21	29	13	16
1	0	0	0	0	1	1	1	1	1	1
	55	93%	78	80%	78	85%	72	69%	79	82%

English Literature (12th) Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	8	20	4	10	2	4	2	3	1	2
4	14	35	10	26	10	22	18	31	10	23
3	15	37	14	36	26	57	27	47	14	33
2	3	7	11	28	8	17	10	17	14	33
1	0	0	0	0	0	0	1	2	4	9
	40	93%	39	72%	46	83%	58	81%	43	58%

Biology Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	7	15	2	5	5	10	4	13	5	11
4	11	24	7	17	24	47	7	23	20	44
3	7	15	22	54	9	18	15	48	13	28
2	13	28	10	24	12	23	5	16	7	15
1	8	17	0	0	1	2	0	0	1	2
	46	54%	41	76%	51	75%	31	84%	46	83%

Environmental Science Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	0	0	0	0			3	7		
4	6	19	9	35			9	20		
3	2	6	4	15			11	24		
2	9	28	4	15			18	39		
1	15	47	9	35			5	11		
	32	25%	26	50%			46	50%		

Physics B / Physics 1 Score Distribution

Physics 1

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	2	5	1	4	0	0	1	4	2	6
4	5	12	4	16	8	24	3	12	3	8
3	14	35	8	32	23	49	9	36	7	19
2	8	20	10	40	7	21	7	28	17	47
1	11	27	2	8	2	6	5	20	7	19
	40	53%	25	52%	33	73%	25	52%	36	33%

Physics C: Mechanics Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	7	54	4	19	5	25	4	17	2	12
4	3	23	8	38	7	35	7	30	4	25
3	1	8	5	24	7	35	9	39	7	44
2	1	8	2	9	0	0	2	9	3	19
1	1	8	2	9	1	5	1	4	0	0
	13	85%	21	81%	20	95%	23	87%	16	81%

Chemistry Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	4	20	5	17	2	9	3	7	6	29
4	8	40	19	63	7	30	11	27	4	19
3	4	20	5	17	8	35	17	42	5	24
2	1	5	1	3	6	26	8	20	6	29
1	3	15	0	0	0	0	2	5	0	0
	20	80%	30	97%	30	74%	41	76%	21	71%

Psychology Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	6	10	8	22	12	16	15	16	27	31
4	14	23	12	33	15	20	31	32	23	26
3	14	23	7	19	16	21	17	17	21	24
2	14	23	4	11	11	15	16	16	9	10
1	12	20	5	14	21	28	18	19	8	9
	60	57%	36	75%	75	57%	97	65%	88	81%

Spanish Language Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	3	6	4	9	10	17	6	13	11	24
4	9	19	8	18	20	34	19	42	12	26
3	9	19	11	24	26	44	19	42	20	44
2	17	36	19	42	3	5	1	2	3	6
1	9	19	3	7	0	0	0	0	0	0
	47	45%	45	51%	59	95%	45	98%	45	98%

French Language Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5	0	0			1	17	0	0	0	0
4	2	22			2	33	2	22	2	33
3	7	78			1	17	4	44	3	50
2	0	0			2	33	3	33	1	17
1	0	0			0	0	0	0	0	0
	0	100%			6	67%	9	67%	6	83%

Italian Language Score Distribution

	2011-12		2012-13		2013-14		2014-15		2015-16	
	#	%	#	%	#	%	#	%	#	%
5									2	29
4									4	57
3									1	14
2									0	0
1									0	0
									7	100%

Comparative Results May 2016 Exams

	Wheatley		New York State		United States	
	Avg.	% Pass	Avg.	% Pass	Avg.	% Pass
Biology	3.46	82.6%	2.93	64.9%	2.84	60.8%
Calculus AB	3.02	68.8%	3.10	63.9%	2.94	59.0%
Calculus BC	3.50	81.8%	3.89	83.3%	3.81	80.5%
Chemistry	3.48	71.4%	2.94	63.1%	2.64	52.2%
Computer Science A	3.21	57.1%	3.10	65.5%	3.01	63.8%
English Language	3.33	82.3%	2.99	62.4%	2.81	55.1%
English Literature	2.77	58.1%	2.77	55.5%	2.75	54.4%
Human Geography	2.04	24.5%	2.85	57.6%	2.66	51.6%
Physics 1	2.33	33.3%	2.59	49.6%	2.29	38.3%
Physics C: Mechanics	3.31	81.3%	3.64	79.0%	3.54	76.3%
Psychology	3.59	80.7%	3.10	65.2%	3.06	64.0%
Spanish Language	3.67	93.5%	3.72	88.1%	3.78	88.9%
Statistics	3.05	68.4%	2.90	61.1%	2.78	57.3%
US Gov't & Politics	2.75	50.0%	2.74	54.3%	2.64	50.7%
US History	3.53	78.2%	2.95	61.1%	2.70	52.3%
World History	3.57	87.1%	2.97	66.3%	2.60	51.3%
Totals	3.24	72.1%	3.00	63.0%	2.85	57.5%

Comments

- In preparation for the Regents examinations, teachers (on their own time) provided nearly 100 review sessions
- In preparation for the AP examinations, teachers provided (on their own time) more than 60 review sessions
- During the summer, AP teachers attended week-long AP seminars in preparation for new courses (e.g., AP Capstone) or new teaching assignments

Reflection Points (Regents)

- Encouraging passing rates on Regents examinations, including the new 2022 Common Core benchmark rates
- Continued strong mastery results in CC English exam
- Improved Level 5 Common Core mastery rate on Algebra 1 examination
- Note excellent passing rates on both the Earth Science and the Living Environment examinations in the second year of the curriculum shift in science
 - Need to analyze mastery rate on Living Environment examination
- Even as Wheatley students are approaching the 2022 Common Core passing rates, NYSED is considering lowering these thresholds

Reflection Points (AP)

- Student performance on AP Spanish examination continues to be outstanding
- Teacher collaboration and efforts on Calculus AB course helped students improve their passing rate by over 24 percentage points!
- AP Physics 1 examination:
 - Results are being analyzed in order to determine action plan for improved results
- AP English Language (11th grade) results improved over last year's drop in scores
- AP English Literature (12th grade) results are being analyzed to understand drop in passing rate
 - Note that this same grade cohort saw a drop in the AP English Language exam in 2014-15
- After years of strong results, the AP Human Geography scores were disappointing. With the increased interest in AP Econ and AP Government, this course is no longer offered
- The results of any one examination serve only as a snapshot in time

Moving Forward

- Growth is made through:
 - Teacher collaboration within departments
 - Supervisory leadership
 - Formative assessments
 - Professional development within and outside of school
 - Curriculum development work
 - Analysis of student work
- The results of any one examination serve only as a snapshot in time

Upcoming Events

- Wheatley 60th Anniversary celebration begins on Friday, 14 October! Register at www.wheatleyalumni.org
- Coffee with the Principal on 18 October (7:00 pm)
- Our 8th Annual Day of Service and Learning will take place on Thursday, 20 October

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