

Wheatley Data Overview

October 2019



1

Early Highlights of 2019-20!

- **5 students** were designated **National Merit Semi-Finalists**: Karen Li, Madison Ramos, Trenton Wong, Alia Yamin and Sharon Zhong
- **5 students** were designated **National Merit Commended Students**: Ethan Bao, Eric Chu, Hitangee Jain, Ashley Vincenzo and Brenda Zhong
- **7 students** were selected for the 2019 NYSSMA All-State Conference: Aidan Cozzolino, Allison Keller, Eric Ness, Elizabeth Yuen, Kaileigh Fiorillo (alternate), Layla Jarrahy (alternate) and Eliana Li (alternate)

2

Note on the Data

- The 2018-19 Nassau County and NYS Regents data are not available yet. The data presented on the following slides contain complete results up to 2017-18, but only Wheatley data for 2018-19

3

Graduation Rate

4

Graduation Rates

	2016-17		2017-18		2018-19	
	Grad	Adv. Des.	Grad.	Adv. Des.	Grad.	Adv. Des.
Wheatley	98	81	99	92	99	86
Nassau	90	57	88	58		
NYS	80	33	80	33		

5

SAT and ACT Scores

6

SAT Scores

	Wheatley			National		
	CR	M	Total	CR	M	Total
2019	613	630	1243	531	528	1069
2018	629	652	1281	536	531	1067
2017*	623	649	1272	539	535	1074
2016	570	604	1771	494	508	1484

2017 scores reflect concordance between old and new SAT

7

ACT Composite Scores

	Wheatley	NYS	National
2019	25.6	24.5	n/a
2018	27.7	24.5	20.8
2017	25.9	24.2	21.0
2016	25.6	23.9	20.8

8

Regents Examinations

9

Algebra 1 CC Results

	2016-17		2017-18		2018-19	
	≥L3	L5	≥L3	L5	≥L3	L5
Wheatley	98	57	97	46	97	51
Nassau	85	31	81	25	85	
NYS	74	17	70	14		

10

Geometry CC Results

	2016-17		2017-18		2018-19	
	≥L3	L5	≥L3	L5	≥L3	L5
Wheatley	87	33	93	50	92	44
Nassau	74	19	74	23	84	
NYS	64	13	67	17		

11

Algebra 2 CC Results

	2016-17		2017-18		2018-19	
	≥L3	L5	≥L3	L5	≥L3	L5
Wheatley	84	25	93	34	95	45
Nassau	89	21	93	32	94	
NYS	81	15	82	23		

12

English CC Regents Results

	2016-17		2017-18		2018-19	
	≥L3	≥L5	≥L3	≥L5	≥L3	≥L5
Wheatley	98	84	96	72	99	75
Nassau	91	64	89	56	89	
NYS	84	47	79	39		

Note three consecutive years of strong performance on English examination.

13

Global Regents Results

	2016-17		2017-18*		2018-19*	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	94	53	95	73	91	60
Nassau	83	48	86	57	84	
NYS	68	31	73	39		

The 2018 and 2019 exams were the Global Transition exams, based on 1 year of curriculum.

14

US History Regents Results

	2016-17		2017-18		2018-19	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	99	77	97	57	95	72
Nassau	90	65	90	63	91	
NYS	81	48	81	46		

Improvement in mastery passing rate.

15

Living Environment Results

	2016-17		2017-18		2018-19	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	98	56	98	68	98	63
Nassau	85	44	85	47	87	
NYS	74	28	73	31		

16

Earth Science Regents Results

	2016-17		2017-18		2018-19	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	97	74	98	82	99	80
Nassau	83	47	84	51	85	
NYS	69	31	73	34		

Excellent passing rate!
Sustained high mastery rate.

17

Chemistry Regents Results

	2016-17		2017-18		2018-19	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	88	33	89	43	97	43
Nassau	83	31	82	26	85	
NYS	74	23	72	19		

Improved passing rate
on a challenging
examination.

18

Physics Regents Results

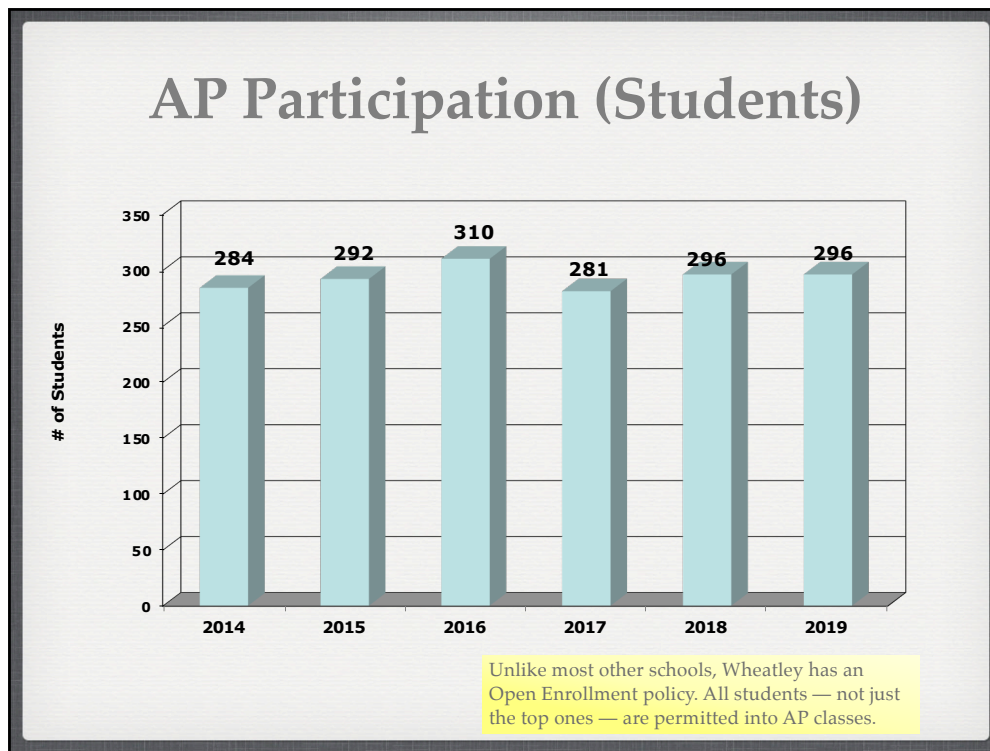
	2016-17		2017-18		2018-19	
	≥65	≥85	≥65	≥85	≥65	≥85
Wheatley	64	12	88	20	93	21
Nassau	85	44	86	41	87	
NYS	82	39	83	38		

Many of our strongest Physics students do not take the Regents exam, as they take only the AP examination. The Regents exam is given after graduation.

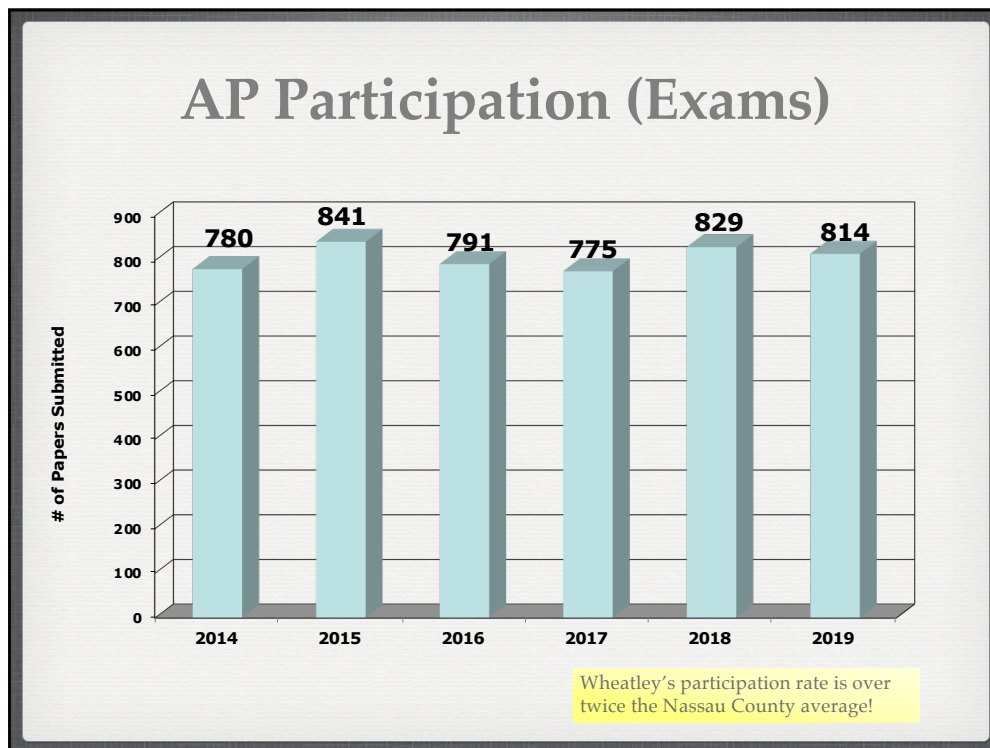
19

Advanced Placement Program

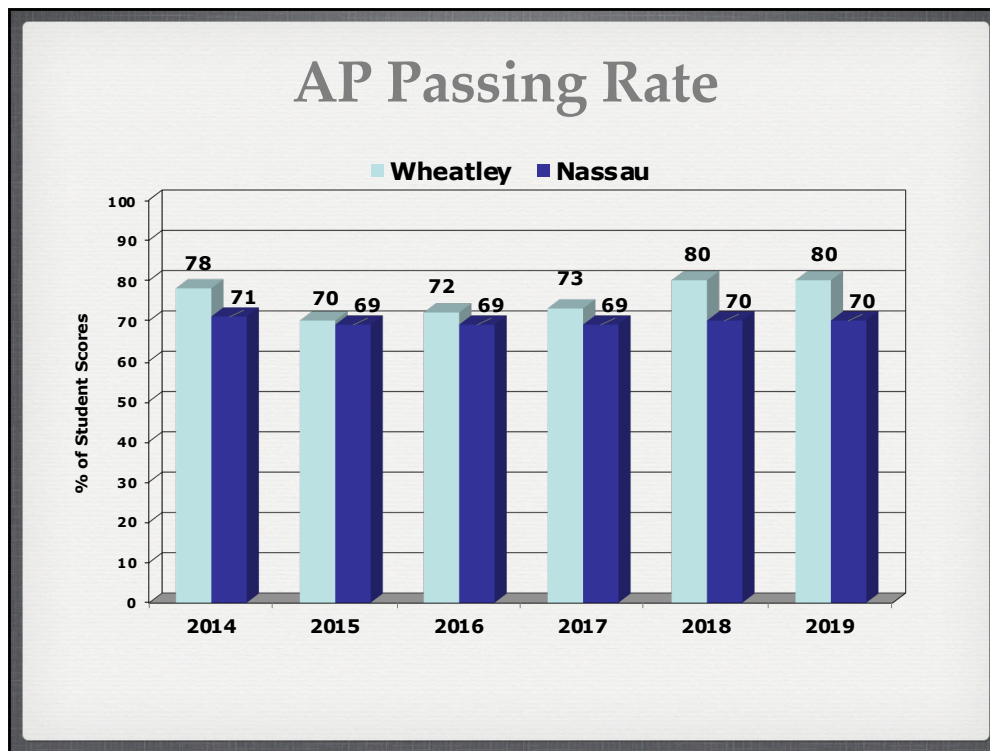
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21



22



23

AP Scholars

	Scholar	Scholar Honor	Scholar Distinction	National Scholar	Total (exclude Nat. Scholars)
2019	42	22	79	21	143
2018	65	27	65	22	157
2017	52	30	59	13	141
2016	60	24	53	15	137
2015	42	25	60	14	127
2014	49	39	53	7	141

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

24

Overall Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	121	14	141	18	123	16	190	23	193	24
4	216	26	204	26	216	28	240	29	222	27
3	252	30	225	28	228	29	236	28	232	29
2	156	18	149	19	158	20	130	16	127	16
1	96	11	72	9	50	6	33	4	40	5
	841	70%	791	72%	775	73%	829	80%	814	80%

Annual passing rates

25

Calculus AB Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	3	4	10	16	6	11	11	17	15	34
4	15	22	15	23	11	20	18	28	12	27
3	12	18	19	30	13	24	20	31	9	21
2	13	19	6	9	20	36	15	23	6	14
1	25	37	14	22	5	9	1	1	2	4
	68	44%	64	69%	55	55%	65	75%	44	82%

26

Calculus BC Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	12	46	7	32	14	70	22	85	12	63
4	8	31	3	14	4	20	3	11	5	26
3	4	15	8	36	1	5	1	4	2	11
2	1	4	2	9	1	5	0	0	0	0
1	1	4	2	9	0	0	0	0	0	0
	26	92%	22	82%	20	95%	26	100%	19	100%

27

Statistics Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	4	20	2	11	7	24	11	38	4	14
4	6	30	7	37	4	14	8	28	5	17
3	4	20	4	21	12	41	7	24	10	35
2	3	15	2	11	1	3	3	10	8	28
1	3	15	4	21	5	17	0	0	2	7
	20	70%	19	68%	29	79%	29	90%	29	66%

28

Computer Science A Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	3	50	5	36	2	11	4	31	5	24
4	2	33	0	0	4	21	1	8	7	33
3	1	17	3	21	6	32	2	15	6	29
2	0	0	5	36	4	21	3	23	2	10
1	0	0	1	7	3	16	3	23	1	5
	6	100%	14	57%	19	63%	13	54%	21	86%

29

World History Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	14	23	12	17	12	20	25	33	18	32
4	19	31	25	36	27	45	27	36	17	30
3	20	32	24	34	16	27	20	27	12	21
2	8	13	9	13	5	8	3	4	10	17
1	1	2	0	0	0	0	0	0	0	0
	62	86%	70	87%	60	92%	75	96%	57	83%

31

US History Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	19	21	16	21	11	11	13	17	16	16
4	14	15	29	37	27	26	25	32	25	25
3	21	23	16	21	22	22	18	23	27	27
2	28	31	14	18	35	34	12	16	20	20
1	9	10	3	4	7	7	9	12	11	11
	91	59%	78	78%	102	59%	77	73%	99	69%

32

Human Geography Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	11	14	4	8					9	53
4	22	28	3	6					4	24
3	20	26	5	10					3	18
2	10	13	16	33					0	0
1	15	19	21	43					1	6
	78	68%	49	25%					17	94%

33

Macroeconomics Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	2	8	15	35	8	20	13	29	13	35
4	9	38	8	19	10	25	13	29	12	32
3	7	29	9	21	9	23	10	22	4	11
2	2	8	7	16	9	23	5	11	3	8
1	4	17	4	9	4	10	4	9	5	13
	24	75%	43	74%	40	68%	45	80%	37	78%

34

US Government & Politics Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	3	27	2	12	3	7	8	14	10	19
4	1	9	1	6	7	15	8	14	4	7
3	3	27	5	31	14	30	9	16	21	39
2	0	0	7	44	13	28	22	39	15	28
1	4	36	1	6	9	20	9	16	4	7
	11	64%	16	50%	46	52%	56	45%	54	65%

35

English Language (11th) Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	9	13	9	11	6	7	8	12	15	26
4	10	14	23	29	21	27	25	36	21	36
3	31	43	33	42	27	34	28	41	20	35
2	21	29	13	16	22	28	8	12	2	3
1	1	1	1	1	3	4	0	0	0	0
	72	69%	79	82%	79	68%	69	88%	58	97%

36

English Literature (12th) Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	2	3	1	2	0	0	3	8	3	9
4	18	31	10	23	7	23	7	18	9	27
3	27	47	14	33	13	42	12	31	12	36
2	10	17	14	33	8	26	15	38	6	18
1	1	2	4	9	3	10	2	5	3	9
	58	81%	43	58%	31	65%	39	56%	33	73%

37

Biology Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	4	13	5	11	5	13	6	14	7	12
4	7	23	20	44	15	39	15	36	27	47
3	15	48	13	28	17	44	16	38	22	38
2	5	16	7	15	2	5	5	12	2	3
1	0	0	1	2	0	0	0	0	0	0
	31	84%	46	83%	39	95%	42	88%	58	97%

38

Environmental Science Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	3	7			9	16			1	3
4	9	20			13	22			10	30
3	11	24			13	22			4	12
2	18	39			15	26			13	39
1	5	11			8	14			5	15
	46	50%			58	60%			33	46%

39

Physics 1 Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	1	4	2	6	1	5	1	5	3	18
4	3	12	3	8	3	14	3	15	5	29
3	9	36	7	19	9	43	6	30	4	23
2	7	28	17	47	6	29	8	40	4	23
1	5	20	7	19	2	9	2	10	1	6
	25	52%	36	33%	21	62%	20	50%	17	71%

40

Physics C: Mechanics Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	4	17	2	12	7	37	9	36	7	37
4	7	30	4	25	10	53	8	32	8	42
3	9	39	7	44	1	5	7	28	2	10
2	2	9	3	19	1	5	1	4	2	10
1	1	4	0	0	0	0	0	0	0	0
	23	87%	16	81%	19	95%	25	96%	19	90%

41

Chemistry Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	3	7	6	29	5	19	7	30	3	12
4	11	27	4	19	3	12	6	26	2	8
3	17	42	5	24	12	46	6	26	14	56
2	8	20	6	29	5	19	4	17	5	20
1	2	5	0	0	1	4	0	0	1	4
	41	76%	21	71%	26	77%	23	83%	25	76%

42

Psychology Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	15	16	27	31	21	46	14	30	33	46
4	31	32	23	26	18	39	14	30	12	17
3	17	17	21	24	6	13	8	17	14	19
2	16	16	9	10	1	2	7	15	9	12
1	18	19	8	9	0	0	3	6	4	6
	97	65%	88	81%	46	98%	46	78%	72	82%

43

Capstone: Seminar Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5					2	7	6	20	3	13
4					12	40	9	30	6	25
3					14	47	13	43	14	58
2					2	7	2	7	1	4
1					0	0	0	0	0	0
					30	93%	30	93%	24	96%

44

Capstone: Research Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5							9	35	1	7
4							5	19	4	27
3							7	27	7	47
2							5	19	3	20
1							0	0	0	0
							26	81%	15	80%

45

Spanish Language Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	6	13	11	24	2	5	6	11	6	15
4	19	42	12	26	17	40	20	38	14	34
3	19	42	20	44	19	44	24	45	15	37
2	1	2	3	6	5	12	3	6	6	15
1	0	0	0	0	0	0	0	0	0	0
	45	98%	45	98%	43	88%	53	94%	41	85%

46

French Language Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5	0	0	0	0			0	0	0	0
4	2	22	2	33			1	14	1	11
3	4	44	3	50			2	29	4	44
2	3	33	1	17			4	57	4	44
1	0	0	0	0			0	0	0	0
	9	67%	6	83%			7	43%	9	56%

47

Italian Language Score Distribution

	2014-15		2015-16		2016-17		2017-18		2018-19	
	#	%	#	%	#	%	#	%	#	%
5			2	29					0	0
4			4	57					3	33
3			1	14					4	44
2			0	0					2	22
1			0	0					0	0
			7	100%					9	78%

48

Comparative Results (1/2) May 2019 Exams

	Wheatley		New York State		United States	
	Avg.	% Pass	Avg.	% Pass	Avg.	% Pass
Biology	3.67	96.6%	2.99	68.1%	2.92	64.7%
Calculus AB	3.73	81.8%	2.95	57.9%	2.97	58.4%
Calculus BC	4.53	100.0%	3.91	83.1%	3.80	80.9%
Chemistry	3.04	76.0%	2.99	65.0%	2.74	55.6%
Computer Science A	3.62	85.7%	3.24	67.2%	3.26	69.6%
English Language	3.84	96.6%	2.78	54.6%	2.78	54.2%
English Literature	3.09	72.7%	2.51	45.2%	2.62	49.6%
Environmental Science	2.67	45.5%	2.57	45.7%	2.68	49.2%
French Language	2.67	55.6%	3.32	78.3%	3.29	76.6%
Human Geography	4.21	94.7%	2.60	50.3%	2.55	49.2%
Italian Language	3.11	77.8%	2.69	56.8%	2.99	65.0%

49

Comparative Results (2/2) May 2019 Exams

	Wheatley		New York State		United States	
	Avg.	% Pass	Avg.	% Pass	Avg.	% Pass
Macroeconomics	3.67	77.8%	3.12	64.9%	2.94	58.9%
Physics 1	3.29	70.6%	2.88	58.8%	2.51	45.4%
Physics C: Mech	4.05	89.5%	3.81	82.8%	3.76	81.8%
Psychology	3.85	81.9%	3.09	64.2%	3.09	64.5%
Capstone: Research	3.20	80.0%	2.94	66.0%	3.15	75.9%
Capstone: Seminar	3.46	95.8%	2.81	70.2%	3.05	79.7%
Spanish Language	3.49	85.4%	3.72	88.2%	3.70	88.2%
Statistics	3.03	65.5%	2.85	58.5%	2.86	59.7%
US Gov't & Politics	3.02	64.8%	2.82	58.4%	2.73	55.0%
US History	3.15	68.7%	2.81	57.0%	2.71	53.6%
World History	3.75	82.5%	3.00	64.5%	2.76	55.4%

50

Comments

- In preparation for the Regents examinations, teachers (on their own time) provided over 70 review sessions
- In preparation for the AP examinations, teachers provided (on their own time) over 45 review sessions
- During the summer, AP teachers attended week-long AP seminars in preparation for new teaching assignments (e.g., AP Seminar) or to refresh knowledge and skills in current assignment (e.g., AP Physics)
- With the training of an English teacher and additional Social Studies teacher, continued integration of our AP Seminar course across multiple departments

51

Reflection Points (Regents)

- Excellent passing rates on Regents examinations
- Continued strong mastery results in English examination
- Sustained outstanding mastery rate on Earth Science examination
- Improved passing rate on Chemistry and Physics
- Improved Level 5 Common Core mastery rate on Algebra 1, Algebra 2 and US History examinations
- Will search to incorporate additional online practice to support reinforcement of skills

52

Reflection Points (AP)

- Wheatley has one of the most open AP programs in Nassau County, meaning all students are invited to challenge themselves in these courses (not just the “top” students)
- Outstanding student performance on Biology, Calculus AB, Calculus BC, Computer Science A, English Language, Human Geography, Physics C, Psychology, Capstone: Research, Capstone: Seminar, Spanish and World History
- Notable student improvement in Calc AB, Computer Science A, English Language, English Literature, Gov’t and Politics, and Physics 1.
- Over 28% increase in the number of students taking US History (over 2018) with only a small decrease in overall passing rate
- Work done on AP Language and AP Physics 1 will continue through this year to sustain improvement
- Will work to improve passing rate on French and Earth Science examinations
- The results of any one examination serve only as a snapshot in time

53

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

54

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56