

WHRHS

Update On Progress



October 16, 2018



WATCHUNG HILLS
REGIONAL HIGH SCHOOL

Overview



Ms. Elizabeth Jewett, Superintendent
Mr. George Alexis, Principal



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WHRHS Vision

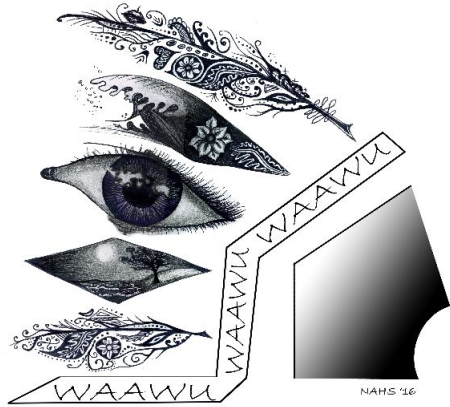
The Watchung Hills Regional High School learning community is committed to developing critical and creative thinkers who collaborate and communicate effectively to solve academic and real-world problems. Our sustained focus on inquiry deepens our understanding of the relevance of academic skills. Our culture of acceptance and our commitment to aesthetic, athletic, and service interests broaden our approach to learning and strengthen our social and emotional intelligences. Through reflection and ethical decision-making, we continue to learn and grow, embrace differences, and prepare for an increasingly complex, ever-changing world.



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WHRHS Strategic Plan Goals: 2015-2020

A Warrior Vision



With an intentional focus on putting students first, the WHRHS District will provide the resources, technology, and organizational change to achieve the following goals:

Create and expand programs and services that enhance the social and emotional wellness of all students within a compassionate learning community.

Build and strengthen support structures that engage students in developing their individual potential, enable students to experience success in high school, and empower students to plan and prepare well for post-secondary learning.

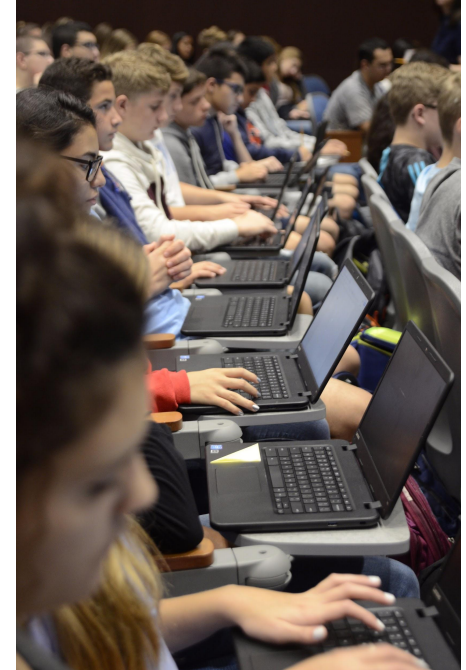
Integrate creative, innovative, and interdisciplinary learning throughout the district to empower and inspire students to succeed in a changing global community.



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Promoting a Culture of Inquiry and Collaboration

- Wellness
- Technology (1:1)
- Integrity Committee
- Embracing Class of 2022
- Inquiry and Collaboration
 - (PBL and PLCs)



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Student Performance Data 2017-2018

Mr. George Alexis, Principal

Ms. Mary Ellen Phelan, Director of Curriculum & Instruction

Mr. Michael D'Alessio, Dir. of Science, Instructional Technology, & Assessment



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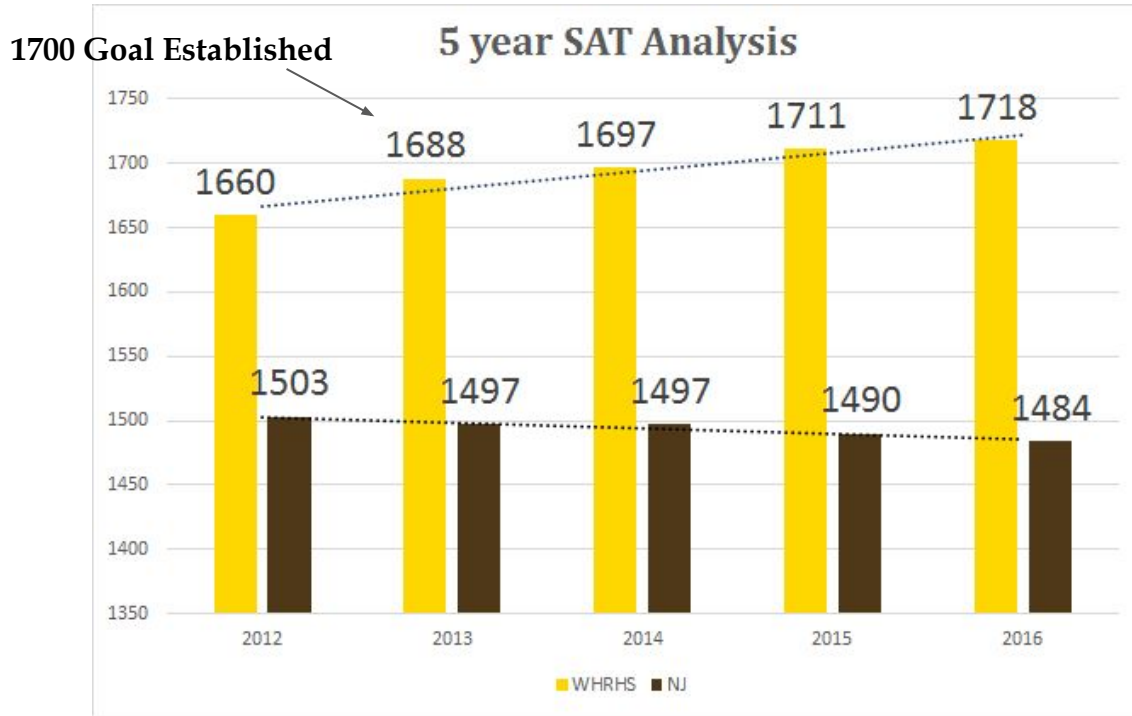
National Merit Scholars

	Recognized	Commended Students	Semi-Finalists	Finalists
2019	33	27	6	tbd
2018	68	53	15	15
2017	46	36	10	10
2016	54	48	6	6
2015	55	44	11	9
2014	22	18	4	3



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SAT: Five-Year Trend



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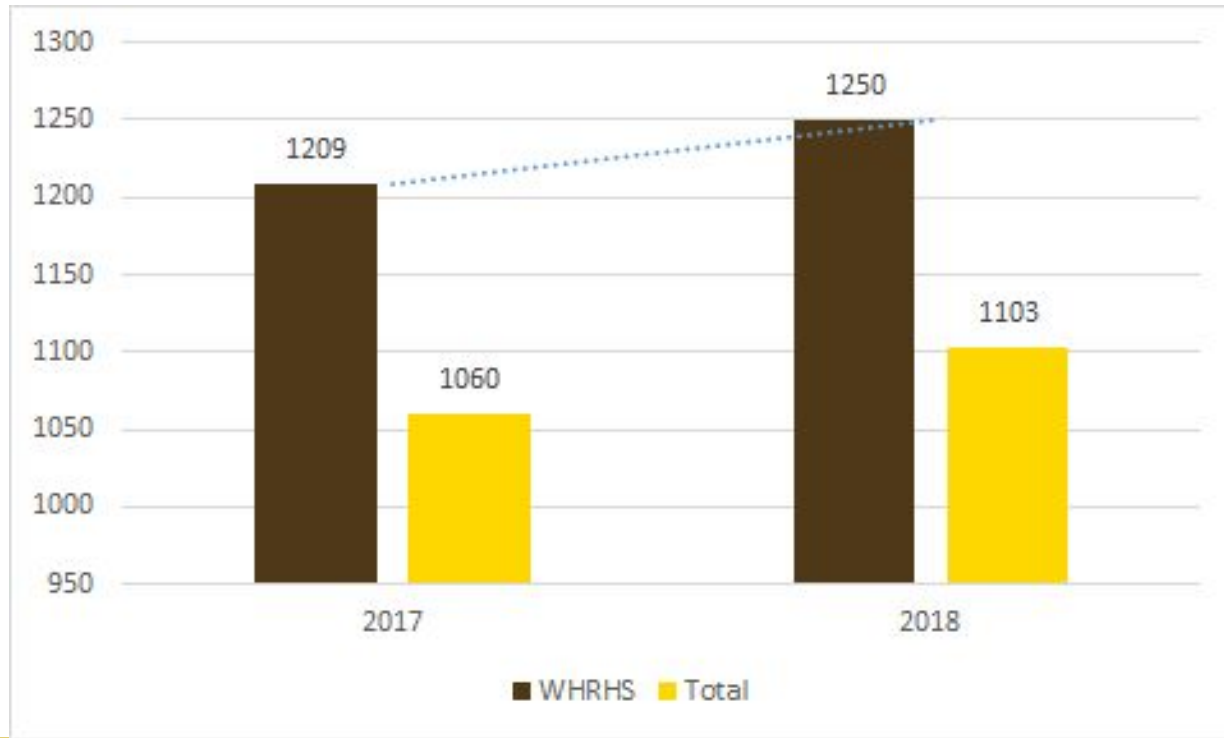
SAT, Class of 2018 - UNOFFICIAL

	Math	Reading/ Writing
WHRHS	628	622
State	552	551



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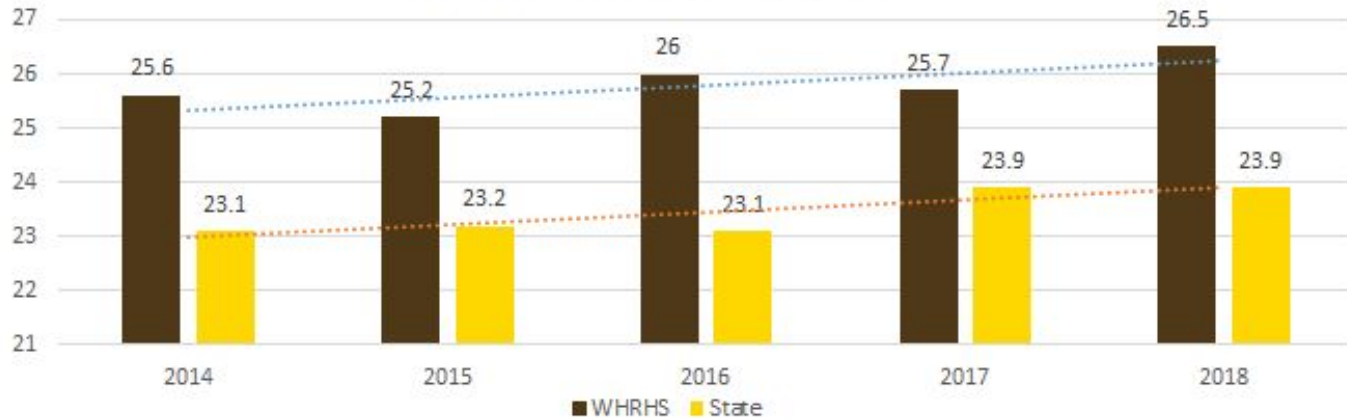
SAT: 2017/2018 Scores (new test)



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ACT (2018 Unofficial)

5 Year ACT Analysis-Composite

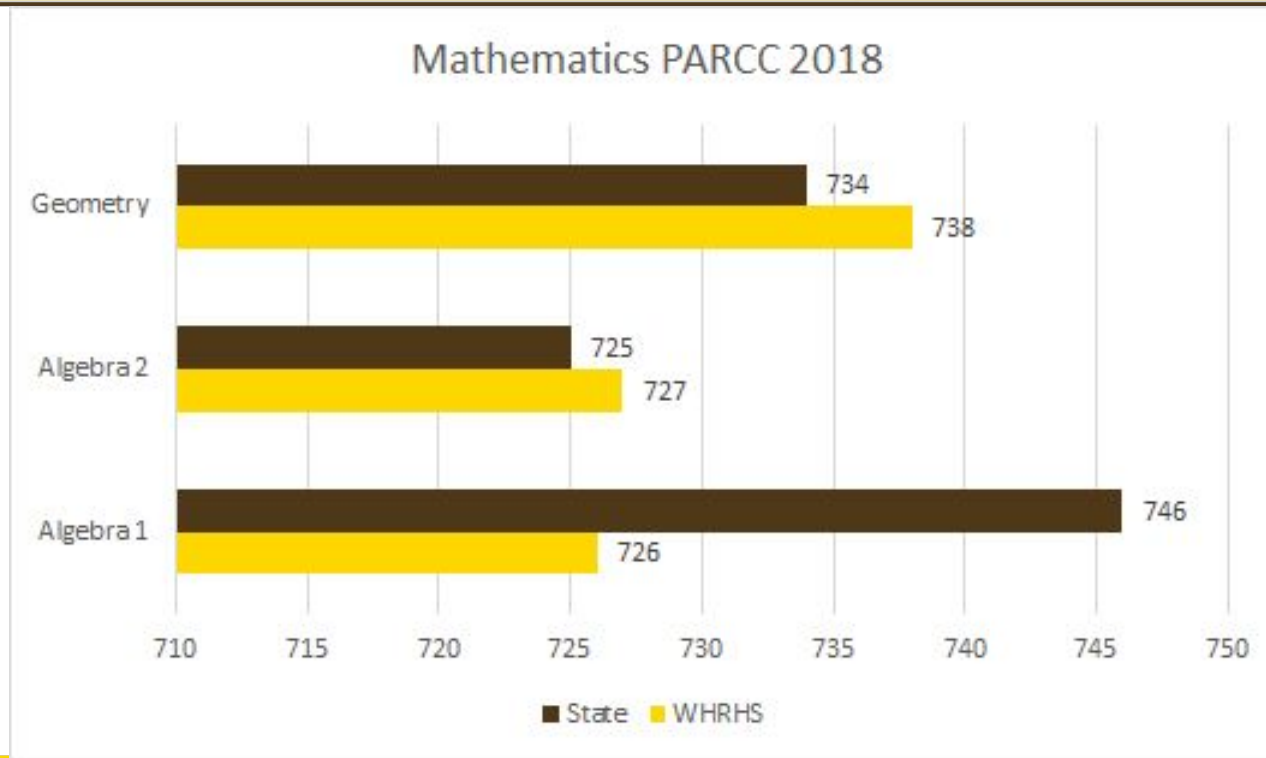


Year	Test-takers
2014	278
2015	292
2016	308
2017	324
2018	312



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PARCC - Math



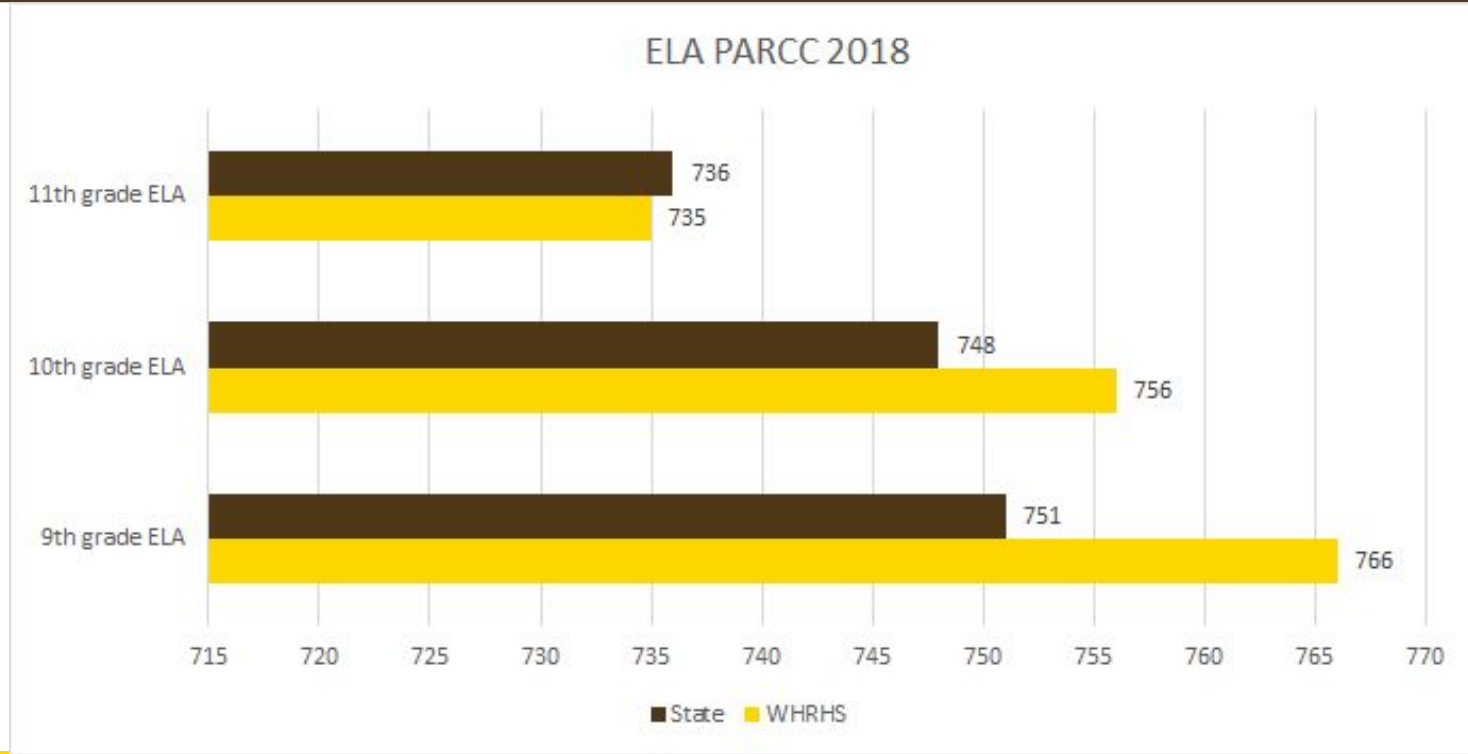
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PARCC - Math

Test	General Ed WHRHS % Met or Exceeded Expectations	Special Ed WHRHS % Met or Exceeded Expectations	All Students STATE % Met or Exceeded Expectations
Algebra 1	18.6%	5.3%	45.6 %
Algebra 2	30.0%	5.2%	28.6%
Geometry	37.0%	4.1%	29.5%



PARCC - ELA



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PARCC - ELA

Test	General Ed WHRHS % Met or Exceeded Expectations	Special Ed WHRHS % Met or Exceeded Expectations	All Students STATE % Met or Exceeded Expectations
ELA 09	80.5%	21.6%	54.1%
ELA 10	65.5%	14.1%	49.9%
ELA 11	42.2%	29.8%	38.1%



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Pedagogy Which Aligns with Standards and Testing

English:

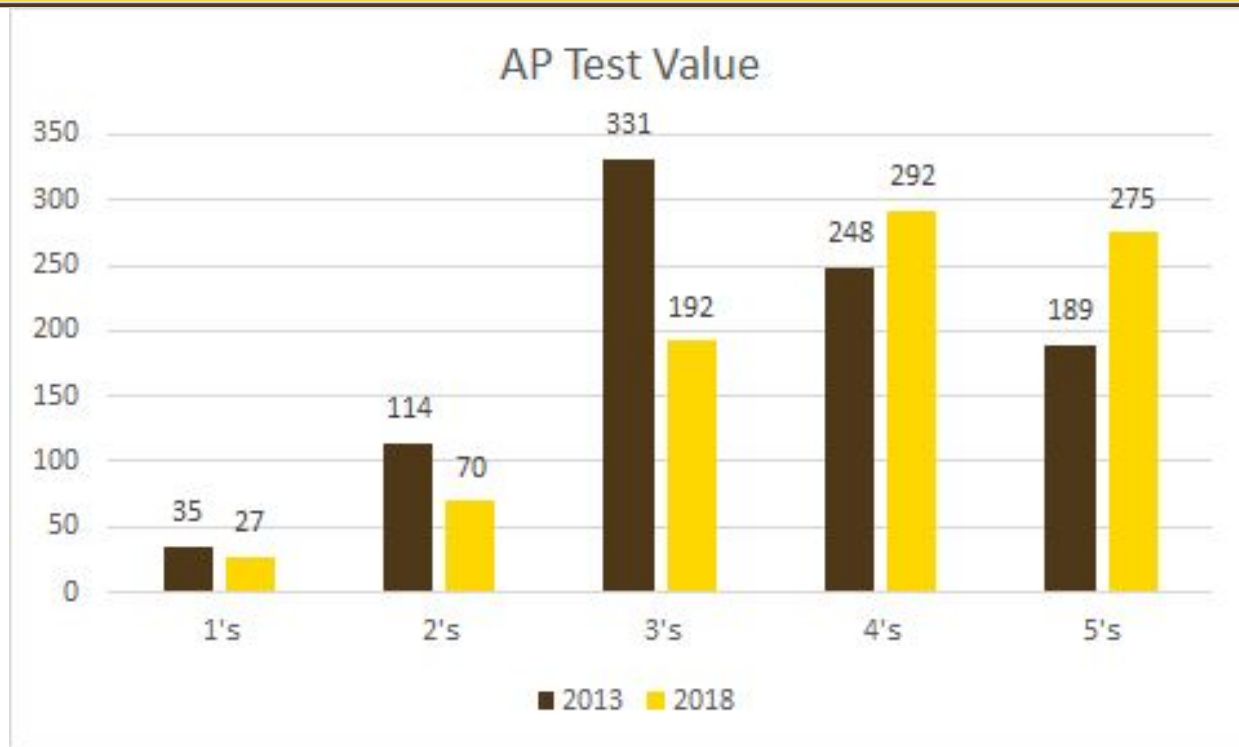
- Standards-aligned instruction
- Data analysis to identify strengths and weaknesses
- Plan valid/timely assessments
- Newsela: differentiate instruction

Math:

- Calculator integration
- Problem-Attic access for teachers
- Do Now-sample questions from tests
- Data analysis/ evidence statements
- Albert.io/IXL differentiation

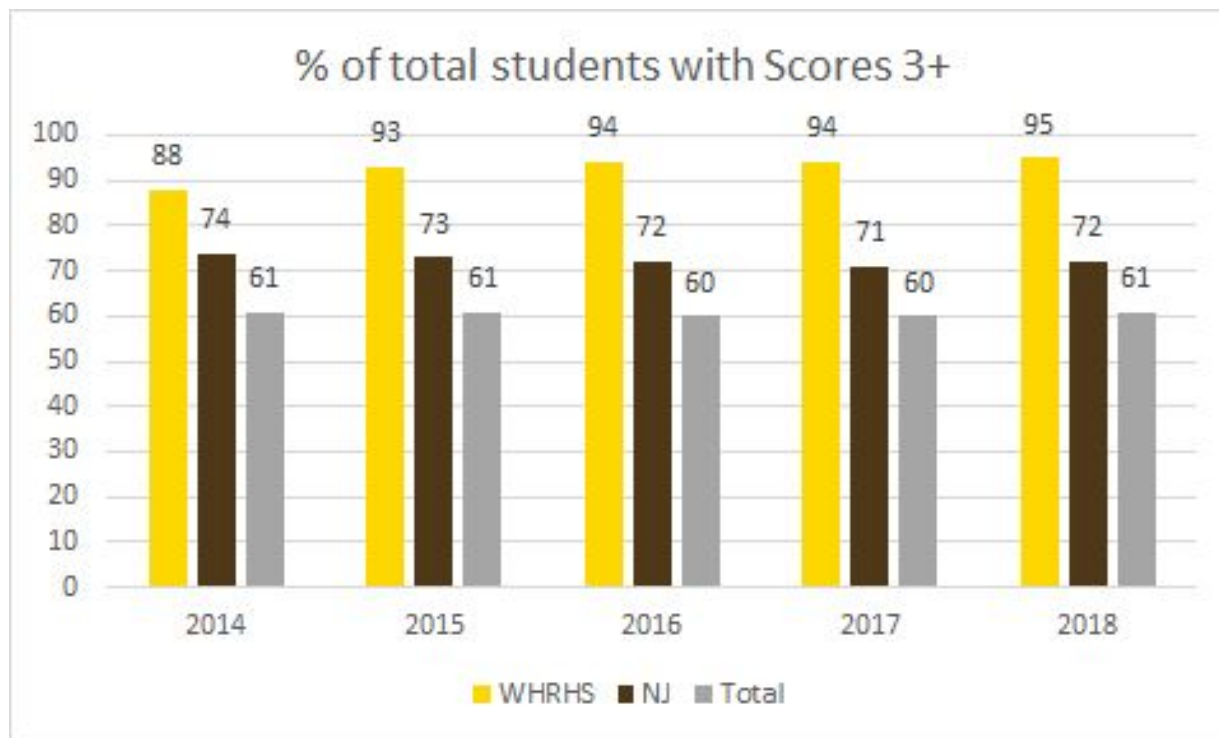


AP



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AP



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AP Test Scores

Subject	Average
Art 2D/Art3D	4.0/3.5
Biology	4.3
Calculus AB	4.1
Calculus BC	4.7
Chemistry	4.5
Chinese	4.4
Computer Science A	4.6
Computer Science Prin.	4.1

Subject	Average
English Lang	4.2
English Lit	3.6
Environmental Science	4.2
European History	4.0
French	3.8
Human Geography	3.9
Macro Econ	3.3

Subject	Average
Micro Econ	3.5
Physics E	4.1
Physics M	4.2
Psychology	3.9
Spanish Lang	4.8
Statistics	4.2
US Government	4.5
US History	4.5



AP - 5 Year Summary

	2014	2015	2016	2017	2018
Total AP Students	556	388	433	482	541
# of Exams	1064	919	1003	1171	1349
% WHRHS AP Students Score 3+	88.1%	93.3%	93.8%	94.0%	95.0%
% WHRHS AP Students Score 4+	60.8%	78.1%	78.5%	79.0%	78.2%
Mean Exam Score	3.76	3.94	4.04	4.19	4.05



AP Scholars

	Total Scholars	AP Scholar	AP Scholar w/Honor	AP Scholar w/Distinction	National AP Scholar
2018	290	73	44	136	37
2017	255	67	47	110	31
2016	221	56	48	96	21
2015	237	63	39	101	34
2014	216	80	44	75	17

AP Scholar: 3 or higher on three or more AP Exams

Scholar with Honors: at least 3.25 on all AP Exams taken, **and** scores of 3 or higher on four or more of these ex

Scholar with Distinction: average score of at least 3.5 on all AP Exams taken, **and** scores of 3 or higher on five or more of these exams

National Scholar: average score of at least 4 on all AP Exams taken, **and** scores of 4 or higher on eight or more o



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College Attendance

Post-High School Plans	2014	2015	2016	2017	2018
Four-Year College Bound	82.8%	77.0%	75.1%	76.7%	79.0%
Two-Year College Bound	13.2%	16.3%	17.9%	20.2%	20.0%
Trade & Technical Schools	0.40%	1.3%	0.60%	1.6%	0.0%
Full-time Employment	1.5%	2.2%	2.5%	0.90%	0.2%
Military Service	0.20%	1.1%	1.9%	0.20%	0.1%
Unknown	1.9%	0.0%	0.10%	0.20%	0.7%



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Sample College Acceptances/Matriculations, Class of 2018

Boston College (10/3)	Georgetown University (2/1)	Rensselaer Polytechnic (16/6)
Bucknell University (4/1)	Harvard University (1/1)	Rutgers (147/40)
Cal Tech (1/1)	Haverford (1/1)	University of Southern California (2/1)
Univ. of California, Berkeley (3/1)	Johns Hopkins University (5/2)	Stanford University (1/1)
UCLA (5/1)	Lehigh University (6/3)	Syracuse University (17/5)
Carnegie Mellon University (9/5)	MIT (1/1)	Tufts University (3/1)
Columbia University (2/2)	University of Michigan (12/4)	Vanderbilt University (2/2)
Cornell University (7/5)	NYU (17/7)	Washington University (4/2)
Duke University (5/3)	University of Pennsylvania (2/1)	Wisconsin University (10/3)
Emory University (5/2)	Princeton (2/1)	Yale University (2/1)



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Professional Learning



Ms. Beth Scheiderman, Director of Human Resources and Professional Development



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2018-2019 Highlights

- NTO Summer of 2018
 - 12 attendees (teachers, nurse, CST)
 - NTO attendees are now part of the district mentoring program
- Opening Days in September
 - Diversity Presentation arranged through the Strategic Plan Action Team
 - Chromebooks/Go Guardian, Integrity, & Educator Evaluation
- October PD Days
 - Shared PD October 8th- 90 topics, 586 educators, 1,756 registrations
 - Instructional Technology PD: October 9th



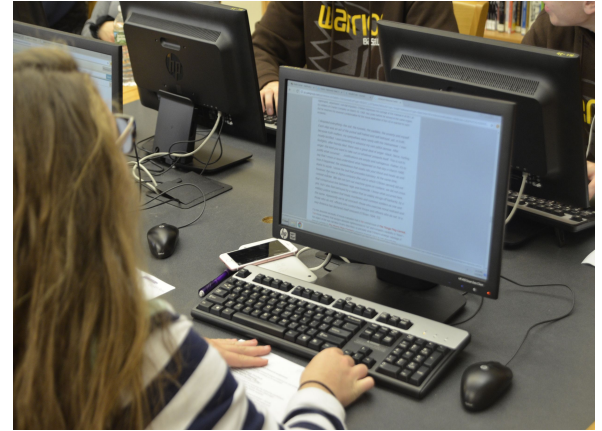
2018-2019 Areas of Focus

2018-2019 Professional Learning Plan

- To Integrate Technology
 - Chromebooks
 - Integrity & Technology Tools
- To Embrace Diversity
 - Working with student focus group and Strategic Plan Action Plan Team
- To Inculcate a Culture of Wellness
 - Faculty Wellness Grant this year through SHIF
 - Wellness topics are becoming an integral part of lesson planning
 - PTO/Community support for more Parent education



English



Mr. James Aquavia, Supervisor



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2017-2018 Highlights

Summer Enrichment

- College application essay writing workshops - evening, summer (SP G2)

Publication and Performance

- *Folio* literary magazine, coffee house performances (SP G3)
- *Arrowhead* student newspaper (SP G3)

Competition

- Speech and Debate Club (SP G3)
Co-president selected for the 2018-2019 USA Debate Development Team.
- Mock Trial (SP G3)

National Writing Contest Winners

Scholastic Art and Writing Awards National Medal Winners 2018

- Three Gold Key winners
- Nine Silver key winners
- Seven Honorable Mentions

National Council of Teachers of English Achievement Awards in Writing 2018

- One WHRHS junior - one of nineteen juniors statewide - recognized with a Certificate of Superior Writing.

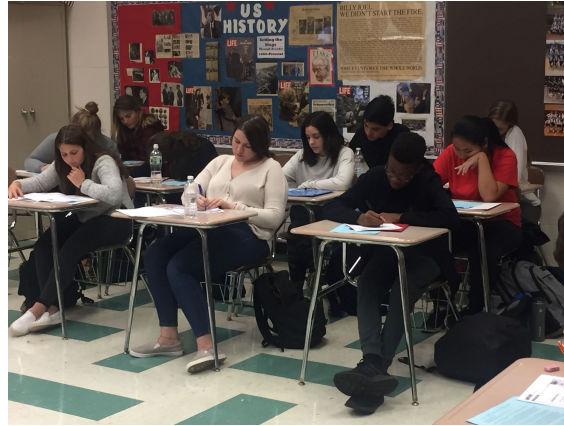


2018-2019 Department Goals

- Strengthen students' analytical writing by providing timely, high-quality feedback and opportunities throughout the year to reflect on growth (SP G3).
- Sharpen students' attention as readers and deepen engagement with text by facilitating student-centered discussion (SP G3).
- Expand use of instructional technology to strengthen literacy skills (SP G3).



Social Studies



Mrs. Anita Falvo, Supervisor



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2017-2018 Highlights

- Application of Content - Writing, Taking a Stance, Class Discussion: Student-Student Talk, CP Rigor
- Authentic Assessment and Learning
- Focus on meaningful and transferable goals
- Civic Education - Voter Registration
- Cultural Acceptance -
- Summer Study Skills/HTS class



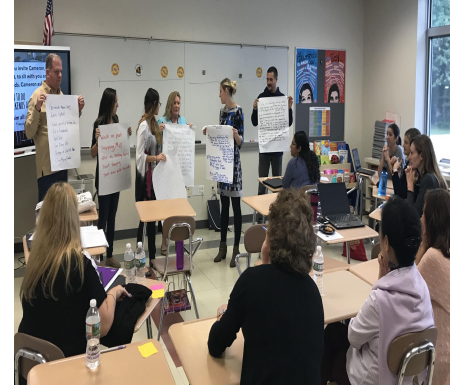
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2018-2019 Department Goals

- Infuse technology resources via use of Chromebooks as a tool.
New Resources: Newsela, Albert i.o, Gilder Lehrman Primary Source Collection (50,000 documents), New York Times Learning Network, NY Times Upfront Magazine. (SP G3)
- Develop and expand methods to address personal learning styles.(SP G1).
- Approach homework as a “quality over quantity” practice without sacrificing rigor or engagement. (SP G1/3)
- Incorporate literacy strategies focusing on interdisciplinary learning. (SP G3)



PE/Health and World Languages



Mr. Brad Commerford, Supervisor



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2017-2018 Highlights - Health/PE

- Increased articulation to enhance 9th Grade transition to WHRHS
- Authentic performance-based assessment: skills and strategies
- Integrated resources to enrich wellness curriculum



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2018-2019 Department Goals - Health/PE

- Continue to align curriculum with our regional K-8 district schools. (SP G2)
- Enhance focus on goal setting strategies. (SP G1)
- Promote recreational play with lifetime emphasis on health and fitness. (SP G3)



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2017-2018 Highlights - World Languages



- WHRHS Seal of Biliteracy Recipients
- World Language Honor Society Induction
- Italian Cultural Studies
- Teaching Without a Textbook
- Virtual World Language Laboratory



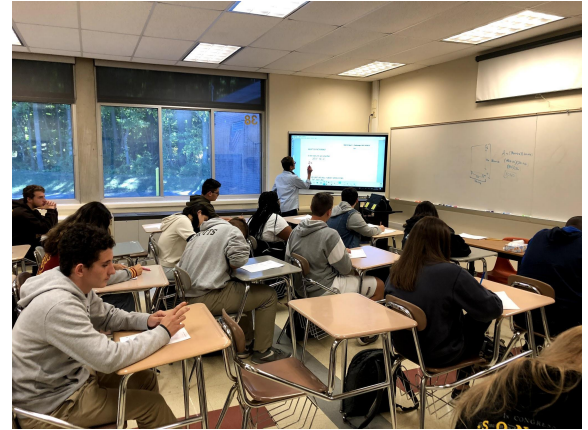
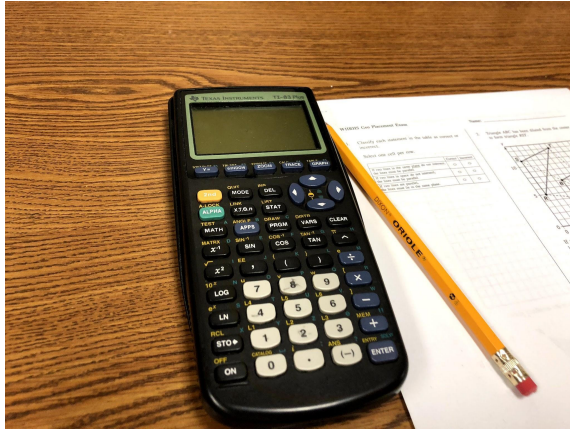
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2018-2019 Department Goals - World Languages

- Research and implement integrated performance assessments. (SP G3)
- Learn and implement the Sheltered Instruction Observation Protocol (SIOP) Instructional Model. (SP G2)
- Expand the use of technology to modify assessments. (SP G3)



Mathematics & Business



Mr. Daniel Twisler, Supervisor



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2017-2018 Highlights

- Summer Enrichment
 - Coding
 - Math Transition
- Hackathon
- 2nd TEDx event
- FBLA - Coder 7th in nation
- Jets Stadium behind the scenes tour
- Mathleague hosted displaced students
- Attended CS4All 'coding camp'

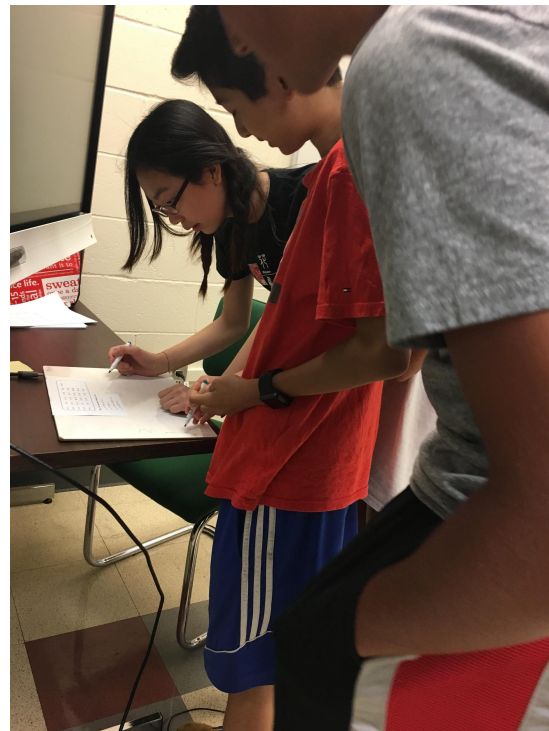
Increasing Trends in AP:

- 55 students took BC Calc (43 in 2017)
- Stat average of 4.15 (6th increasing year)
- 38 APCSA students (33 in 2017, 30 in 2016)
- 52 students took Comp Sci Principles for the first time (and more are enrolled this year)
- All Math AP averages > 4.0



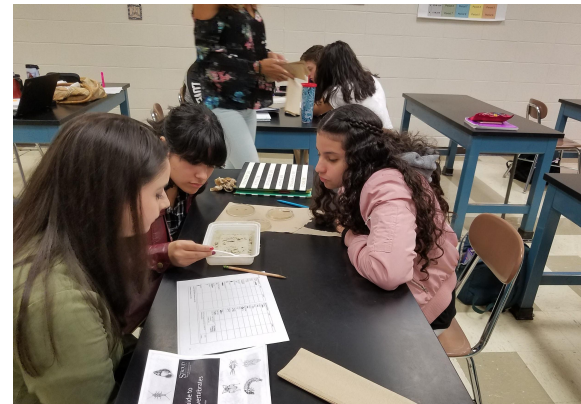
2018-2019 Department Goals

- Enhance the use of higher order, open-ended, and student to student questioning. (SP G3)
- Expand the use of calculators and other technology to enhance instruction and student learning. (SP G2)
- Increase student engagement in class to foster greater student retention. (SP G2)



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Science



Mr. Michael D'Alessio, Director



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2017-2018 Highlights

- Successful implementation of literacy across the curriculum
 - Promotion of non-fiction literature
- 2 students selected to Governor's School: One student presented research paper at IEEE MIT Conference
- Science League Results 2018 Season
 - Our teams in the core sciences continue to perform well with our physics C team placing 8th and high school physics placing 9th.



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2018-2019 Department Goals

- Transition all teachers and students to the use of Graphical Analysis Google App as the primary means to analyze Vernier collected data. (SP G3)
- Address learning styles through differentiated instruction with a focus on students who find STEAM challenging. (SP G1)
- Continue expansion of curricular offerings as was done with Modern Genetics and Robotics. (SP G3)



The Arts



Mr. Daniel Bertelli, Supervisor



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2017-2018 Highlights

- ***Performing Arts:*** Expanded music offerings (SP G1, G2)
 - Advanced Chorus (H)
 - Freshman Concert Band offering sectional pull out lessons
 - Music Tech Lab
 - Curriculum written for Guitar, Piano/Keyboarding & Music Tech.
 - Korg GEC Unit aids instruction
 - Computer Software such as Piano Marvel, ProTool, FLStudio, Sibelius to provide students with an authentic hands on experience.
 - Music Theory software Musition and Ear training software Aurelia for Music Theory classes
- ***FCS:*** Construction of a kitchen and a focus on a culinary arts curriculum and experiences. (SP G1)
- ***Visual Arts:*** Align visual arts curriculum offerings with clear pathway to AP level. (SP G2, G3)
 - Sculpture 2



2018-2019 Department Goals

- Continue to align pathways for students as a means to increase opportunities in exploring and pursuing the Arts. (SP G2, G3)
- Expand opportunities to showcase students' talents and skills as we expand and deepen the definition of the artistic process and what it means to engage in creative thought and practice. (SP G1, G2)
- Facilitate more interdisciplinary learning experiences for students. (SP G3)



Special Services



Mrs. Marianne Sales, Director



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2017- 2018 Highlights

- Expanded SEPAG development and presentations and parent resources
- SLE expansion within WHRHS and new community partners
- Achieve 3000 results
- Middle School/High School Special Education teacher articulation



2018-2019 Department Goals

- Increase student achievement through greater interdistrict articulation. (SP G2)
- Proposal of secondary program development in collaboration with K-8 districts to meet the needs of upcoming/current students. (SP G1, G2)
- Continue to enhance SLE & Transition program through Person Centered Approach. (SP G2)

