

SOUTH WINDSOR HIGH SCHOOL



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DATE: October 17, 2016

TO: Kate Carter, Superintendent of Schools
Sheryl Mortensen, Asst. Superintendent of Curriculum and Instruction

FROM: Daniel Sullivan, South Windsor High School *DES*

RE: 2016 AP and Post-Secondary Credit Opportunities

Attached are a series of data charts regarding participation and performance in advanced placement courses, the UCONN Early College Experience (ECE) program, and the partnership programs at Goodwin College and Manchester Community College (MCC) for the 2015-2016 academic year. Increased participation in a wide variety of rigorous courses and college coursework has been a priority at South Windsor High School, and we are proud to offer a range of experiences for students. All of the experiences prepare students to begin their post-secondary college work.

Student enrollment in courses with the possibility of college credit continues to grow. This year, 318 students were enrolled in one or more AP classes taking a total of 545 exams, which is the highest total in 8 years. 99.4% of students enrolled in AP classes took the AP exam. 81% of AP tests taken by South Windsor High School students earned a 3 or better in 2015-2016. While we value the variety of AP classes offered, it should be noted that the AP courses and tests are not the only avenue for students to earn college credit or participate in post-secondary course work. Students enrolled in the UCONN ECE program who earn required grades of C or better automatically earn credit for a small fee. In a similar way, students enrolled in our Manchester Community College courses earn credits when they apply for credit and maintain a grade of C or better (B- or better in Algebra) and either pass the Accuplacer Test or score a 550 on the SAT Math test. South Windsor High School continued the option for seniors to earn college credit in the 2015-2016 school year with the partnership with Goodwin College. Seniors who participated in this program attended South Windsor High School for part of the day, and then took up to two classes at Goodwin College each semester.

Increased participation and performance in all aspects of the AP program and post-secondary opportunities continues to be a priority at South Windsor High School. To that end, building Administration and Curricular Leaders review the performance data on the charts and tables included in this report on an annual basis. We identify instructional strategies and adjustments to curriculum content to better meet student needs. South Windsor High School counselors presented information to students during the course registration process to share the benefits students gain from taking AP courses or participating in other post-secondary options.

School counselors encourage capable students to consider enrolling in AP courses or the partnership programs. Curriculum coordinators also visit classrooms to encourage students to take AP courses in high school in order to expand their opportunities for college course selection. The coordinated efforts of our School Counseling department and the curriculum area teachers and curriculum specialists help provide a wide variety of college credit opportunities while enrolled at South Windsor High School.

The following is a brief summary of the additional college credit earning opportunities for our students:

University of Connecticut ECE:

- For the 2015-2016 school year, students had the opportunity to take a variety of UCONN ECE classes. Some of the courses are also dually offered as AP courses. Students earned credit by earning at least a 3 on the AP exam and/or earning at least a C in the course. Students must pay a fee for credit to appear on the transcript.
- Courses offered through UCONN ECE program:
 - Seminar in Writing through Literature
 - Introduction to Oceanography with Laboratory
 - General Physics with Laboratory
 - Environmental Science
- Courses cost approximately \$40 per credit
- 90 enrollments from 73 students in the UCONN ECE program for a total of 315 credits.

Manchester Community College:

- For the 2015-2016 school year, SWHS had expanded course offerings for students in the College Career Pathway courses
 - Early Childhood Education
 - Broadcast/TV Production
 - Intermediate Algebra: A Modeling Approach
 - Introductory Physics
 - English Composition
- 238 students participated in these courses earning a total of 773 college credits
- Currently, the program is free for students; to earn the credit, students must earn at least a C (a B- and a passing grade on the Accuplacer Test or score a 550 on the SAT Math test is required for earning credit in Intermediate Algebra), and complete the paperwork to earn the credits. Going forward, like the UCONN ECE program, students may have to pay a fee to have the credits awarded on a transcript, so participation in the program may change.

Goodwin Senior Academy:

- For the 2015-2016 school year, students were able to take up to two courses of their choice each semester on the Goodwin campus at no cost. Students enrolled in a variety of courses:
 - College Experience
 - Reading-Writing Connection
 - Introduction to Criminal Justice and the Law
 - English Composition
 - Composition and Literature
 - Personal Finance
 - Introduction to Psychology
 - Introduction to Sociology

- Introduction to Healthcare
- Health and Wellness
- 13 students participated in this program taking 44 classes and earning 117 credits.
- This program was not continued for the 2016-2017 school year due to state budget cuts.

SWHS AP REPORT SUMMARY							
	Total # of Students Enrolled in One or More AP Classes	Total # of AP Classes Taken	Total # of Exams Taken	% of Students Taking AP Exams	# of Students Scoring 3 or Higher*	Graduating Class Summary**	% of Tests with a Score of 3 or Higher
2016	318	538	545	99.4%	261	43.6%	81%
2015	303	514	517	100%	246	34.4%	81%
2014	302	543	547	100%	258	35.3%	85%
2013	289	517	535	100%	254	37.50%	88%
2012	278	438	463	100%	243	29.60%	87%
2011	243	384	408	94%	216	24.60%	
2010	143	259	218	84%	129	18.40%	
2009	98	241	124	51%	82	16.30%	

* # of AP students per grade who scored 3 or higher on at least one AP exam this year divided by total # of students in each grade

** Percentage of SWHS seniors who scored 3 or higher on at least one AP Exam at any point during high school divided by the total number of SWHS seniors.

2016 AP SCHOLARS (Career to date)				
	# of Scholars	Career # of Exams	Average Score	
AP Scholars	34	121	3.74	3 or higher on 3 or more AP exams
AP Scholars with Honors	32	141	4.11	3.25 on <u>all</u> AP exams taken, with 3 or higher on 4 or more of these exams
AP Scholars with Distinctions	34	227	4.19	3.5 on <u>all</u> AP exams taken, with 3 or higher on 5 or more of these exams
National AP Scholars	4	43	4.70	Granted to US students w/ avg score of at least 4 on all AP exams taken, and scores of 4 or higher on 8 or more of these exams

2014 - 2016 AP COMPARISON													
	Year	5	4	3	2	1	Total Exams	SWHS Mean Score	State Mean Score	Total # below 3	% below 3	Total # 3 or better	% 3 or better
ENGLISH													
English Language & Composition	2014	13	15	22	9	1	60	3.5	3.3	10	16%	50	82%
	2015	16	33	20	9	0	78	3.7	3.3	9	12%	69	88%
	2016	15	30	20	2	0	67	3.9	3.4	2	3%	65	97%
English Literature & Composition	2014	12	21	43	21	1	98	3.2	3.2	22	23%	76	78%
	2015	6	16	23	16	4	65	3.1	3.2	20	31%	45	69%
	2016	8	19	24	8	0	59	3.5	3.1	8	14%	51	86%

2014 - 2016 AP COMPARISON

	Year	5	4	3	2	1	Total Exams	SWHS Mean Score	State Mean Score	Total # below 3	% below 3	Total # 3 or better	% 3 or better
SOCIAL STUDIES													
European History	2014	4	4	1	0	0	9	4.3	3.0	0	0%	9	100%
	2015	2	4	6	1	3	16	3.1	3.1	4	25%	12	75%
	2016	3	5	5	1	0	14	3.7	3.1	1	7%	13	97%
Psychology	2014	36	26	15	8	1	86	4.0	3.3	9	10%	77	90%
	2015	36	18	9	2	0	65	4.4	3.2	2	3%	63	97%
	2016	46	42	12	10	1	111	4.1	3.2	11	10%	100	90%
US Government & Politics	2014	10	4	7	2	0	23	4.0	3.1	2	9%	21	91%
	2015	14	5	6	2	1	28	4.0	2.9	3	11%	25	89%
	2016	11	2	0	2	0	15	4.5	3.1	2	13%	13	87%
US History	2014	16	21	10	4	0	51	4.0	3.3	4	8%	47	92%
	2015	4	18	13	6	2	43	3.4	3.2	8	19%	35	81%
	2016	13	16	11	6	0	46	3.8	3.3	6	13%	40	87%
MATH													
Calculus AB	2014	13	3	0	0	0	16	4.8	3.3	0	0%	16	100%
	2015	21	7	1	0	0	29	4.7	3.3	0	0%	29	100%
	2016	13	4	6	2	1	26	4.0	3.2	3	12%	23	88%
Statistics	2014	15	18	9	4	1	47	3.9	3.2	5	11%	42	89%
	2015	15	7	8	3	4	37	3.7	3.0	7	19%	30	81%
	2016	21	9	4	0	0	34	4.5	3.1	0	0%	34	100%
Computer Science A (*taken on Virtual High School)	2015*	0	1	0	0	0	1	4.0	3.2	0	0%	1	100%
	2016	7	8	6	8	15	44	2.6	3.2	23	52%	21	48%
SCIENCE													
Biology	2014	2	14	20	3	0	39	3.4	3.4	3	8%	36	92%
	2015	2	6	10	3	0	21	3.3	3.3	3	14%	18	86%
	2016	3	8	7	2	0	21	3.6	3.2	2	10%	19	90%
Chemistry	2014	1	8	7	3	0	19	3.4	3.1	3	16%	16	84%
	2015	4	6	4	3	0	17	3.7	3.0	3	18%	14	82%
	2016	2	3	3	2	0	10	3.5	3.1	2	20%	8	80%
Environmental Science	2014	1	8	2	6	6	23	2.7	3.0	12	52%	11	48%
	2015	0	5	2	13	9	29	2.1	2.9	22	76%	7	24%
	2016	2	6	5	14	10	37	2.4	2.9	24	65%	13	35%
Physics 1	2014	0	1	5	6	5	17	2.1	3.2	11	65%	6	35%
	2015	0	6	6	8	4	24	2.6	2.7	12	50%	12	50%
	2016	0	4	11	7	2	24	2.7	2.7	9	38%	15	62%
Physics C - Electricity & Magnetism	2014	3	6	3	4	0	16	3.5	3.8	4	25%	12	75%
	2015	1	4	3	9	3	20	2.6	3.6	12	60%	8	40%
	2016	2	1	1	2	1	7	3.1	3.5	3	43%	4	57%

2014 - 2016 AP COMPARISON

	Year	5	4	3	2	1	Total Exams	SWHS Mean Score	State Mean Score	Total # below 3	% below 3	Total # 3 or better	% 3 or better
Physics C - Mechanics	2014	5	7	2	2	0	16	3.9	4.1	2	13%	14	88%
	2015	4	8	3	3	2	20	3.5	3.9	5	25%	15	75%
	2016	4	2	0	1	0	7	4.3	3.9	1	14%	8	86%
ART & MUSIC													
Music Theory	2014	0	0	2	2	2	6	2.0	3.2	4	67%	2	33%
	2015												
	2016												
Studio Art: 2-D Design Portfolio	2014	0	0	1	0	1	2	2.0	3.6	1	50%	1	50%
	2015	0	0	1	0	1	2	2.0	3.6	1	50%	1	50%
	2016	0	0	1	4	0	5	2.2	3.7	4	80%	1	20%
Studio Art: Drawing	2015	0	2	2	0	0	4	3.5	3.5	0	0%	4	100%
	2016	0	0	2	0	0	2	3.0	3.5	0	0%	2	100%
WORLD LANGUAGES													
French Language & Culture	2014	4	4	2	1	0	11	4.0	3.6	1	9%	10	91%
	2015	0	2	3	1	0	6	3.2	3.5	1	17%	5	83%
	2016	0	1	2	0	0	3	3.3	3.5	0	0%	3	100%
Spanish Language & Culture	2014	4	4	0	0	0	8	4.5	3.9	0	0%	8	100%
	2015	4	3	5	0	0	12	3.9	3.7	0	0%	12	100%
	2016	9	2	0	0	0	11	4.8	3.9	0	0%	11	100%

NUMBER OF STUDENTS ENROLLED IN A.P. COURSES				
AP SUBJECT	Projected 2016-2017	2015-2016	2014-2015	2013-2014
Music Theory	2	n/a	n/a	8
Art	n/a	7	5	2
English Lang & Comp	68	66	76	65
English Lit & Comp	63	59	65	101
European History	16	14	15	9
Psychology	133	112	64	91
US Gov & Politics	32	15	27	31
US History	38	46	43	54
Calculus	32	26	29	14
Statistics	37	34	35	48
Biology	20	21	21	41
Chemistry	37	10	17	19
Environmental Science	n/a	37	29	24
Physics 1	14	24	23	17
Physics C	6	7	20	16
French Lang & Culture	4	4	6	9
Spanish Lang & Culture	10	12	12	8
Computer Science	68	44		
Mobile CSP	21			

MALE/FEMALE ENROLLMENT IN A.P. COURSES								
AP SUBJECT	Projected 2016-2017		2015-2016		2014-2015		2013-2014	
	Male	Female	Male	Female	Male	Female	Male	Female
Music Theory	1	1	n/a	n/a	n/a	n/a	4	2
Art	n/a	n/a	1	6	1	6	1	1
English Lang & Comp	23	45	18	49	27	49	25	32
English Lit & Comp	20	43	21	38	23	42	43	53
European History	8	8	11	3	11	4	4	5
Psychology	47	86	41	71	23	41	31	55
US Government & Politics	21	11	4	11	14	17	17	6
US History	18	20	24	22	23	20	23	25
Calculus	16	16	15	11	20	9	10	4
Mobile CSP	16	5	n/a	n/a	n/a	n/a	n/a	n/a
Statistics	20	17	18	16	20	15	24	22
Biology	8	12	12	9	9	12	16	21
Chemistry	19	18	6	4	12	5	12	6
Environmental Science	n/a	n/a	12	25	12	17	10	13
Physics 1	7	7	13	11	14	9	10	7
Physics C	5	1	7	0	14	6	12	4
French Lang & Culture	1	3	0	4	0	6	2	8
Spanish Lang & Culture	3	7	3	8	3	9	2	6
Computer Science	48	25	37	7				

PARTICIPATION IN COLLEGE CREDIT COURSES 2015-2016

	2015-2016 # courses	# of students enrolled in courses	# of student enrollments earning credit	Total # credits earned
UConn ECE Program	4	90	87	315
Manchester Community College	5	294	238	773
Goodwin Senior Academy	10	44	39	117