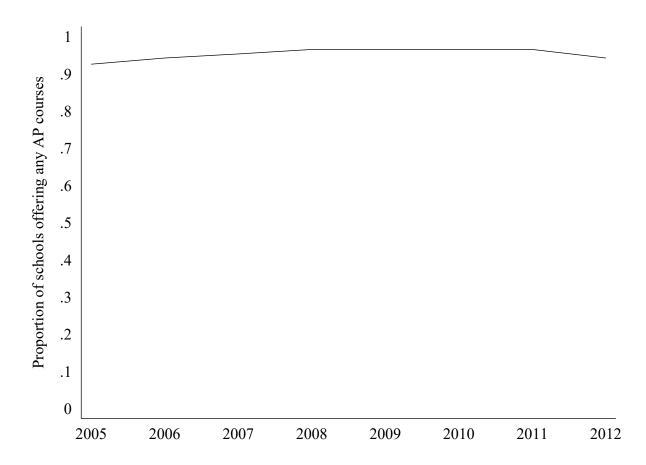
The Advanced Placement Program and Educational Inequality: Online Appendix

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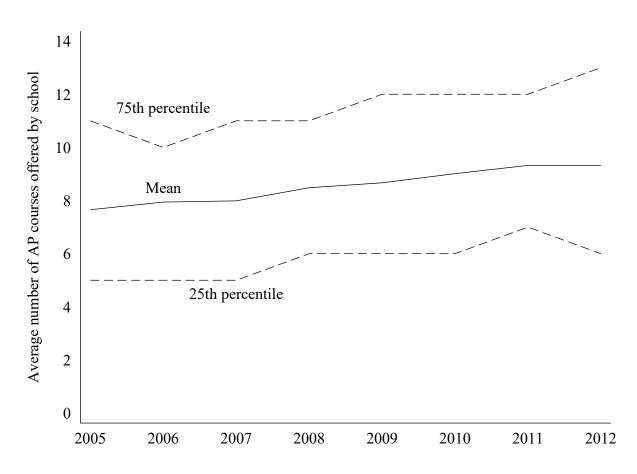
A. Appendix Tables and Figures

Figure A1: Proportion of Schools Offering Any AP Courses, by Cohort



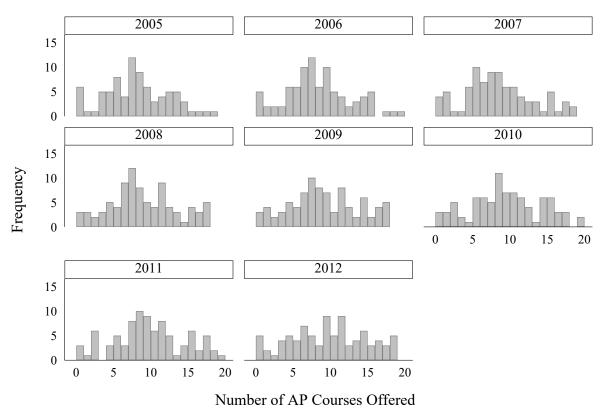
Notes: Unit of analysis is school-by-graduating-cohort. AP availability is based on what a cohort had available in their junior and senior year. For example, if a high school's graduating class of 2012 had at least one AP available to them their junior or senior year, the school is considered to have offered any AP for the cohort of 2012. Sample includes 87 unique schools and 689 school cohorts.

Figure A2: Average Number of AP Courses Offered by School, by Cohort



Notes: Unit of analysis is school-by-graduating-cohort. AP availability is based on what a cohort had available in their junior and senior year. For example, if a high school's graduating class of 2012 had five unique AP courses available to them their junior and senior year, the school is considered to have offered five APs for the cohort of 2012. Solid line shows the mean of AP courses offered, while the dotted lines show the 25th and 75th percentile of course offerings. Sample includes 87 unique schools and 689 school cohorts.

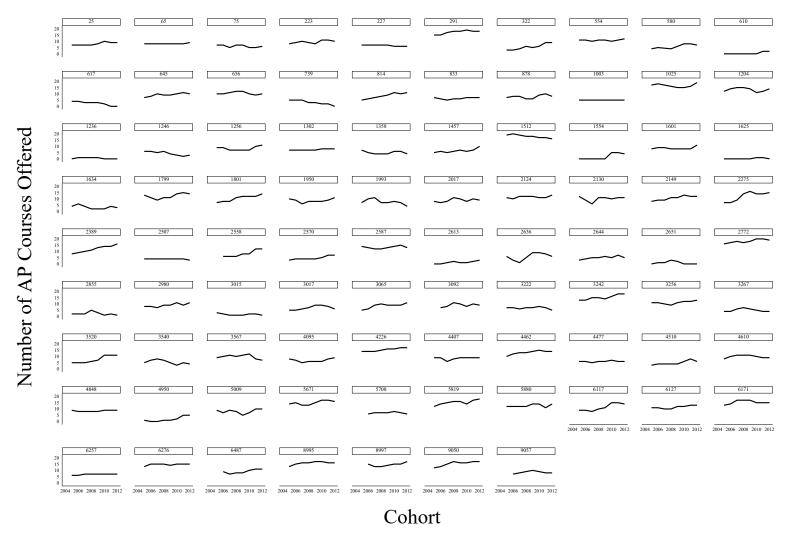
Figure A3: Distribution of Number of AP Courses Offered at a School, by Cohort



Graphs by Cohort

Notes: Unit of analysis is school-by-graduating-cohort. Graphs show the school-level distribution of AP courses available to each annual cohort. AP availability is based on what a cohort had available in their junior and senior year. For example, if a high school's graduating class of 2012 had five unique AP courses available to them their junior and senior year, the school is considered to have offered five APs for the cohort of 2012. Sample includes 87 unique schools and 689 school cohorts.

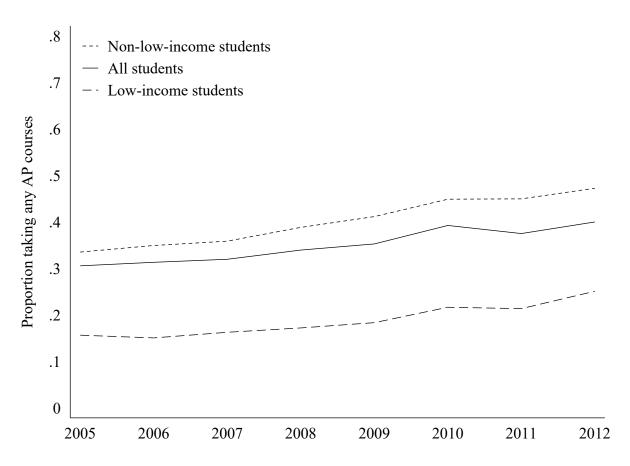
Figure A4: School-by-Cohort Variation in Number of AP Courses Offered



Graphs by School

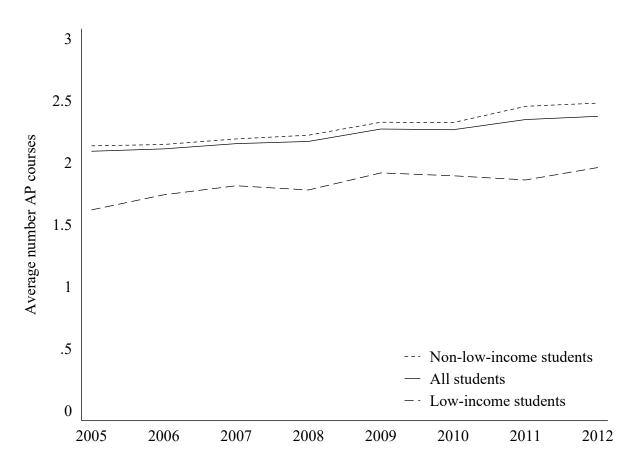
Notes: Unit of analysis is school-by-graduating-cohort. Each graph represents one of the 87 unique schools in the sample and shows the number of AP courses available to each annual cohort within that school. AP availability is based on what a cohort had available in their junior and senior year. For example, if a high school's graduating class of 2012 had five unique AP courses available to them their junior and senior year, the school is considered to have offered five APs for the cohort of 2012.

Figure A5: Proportion of Students Taking Any AP Courses, by Cohort and Family Income



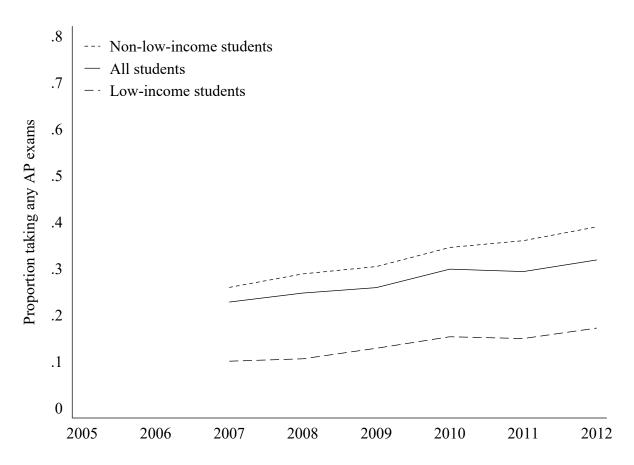
Notes: Unit of analysis is a student. Year refers to the spring of a student's 12th grade year. AP coursetaking is based on what a student took in their junior and senior year. If a student took at least one AP course in their junior or senior year, they are counted as having taken any AP. Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Sample includes 173,151 students.

Figure A6: Average Number of AP Courses Taken by Students, Conditional on Taking Any AP, by Cohort and Family Income



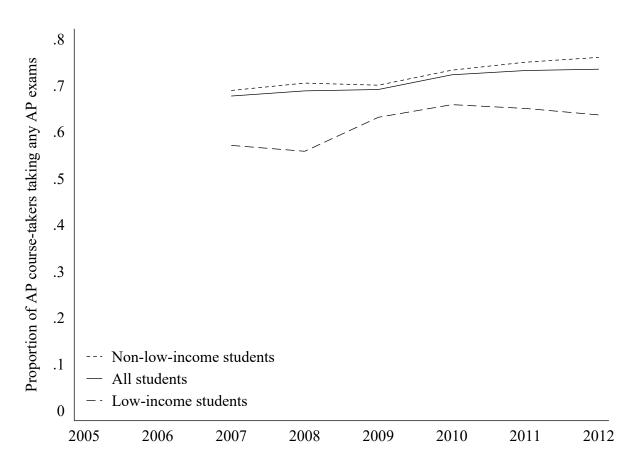
Notes: Unit of analysis is a student. Year refers to the spring of a student's 12th grade year. AP coursetaking is based on what a student took in their junior and senior year. Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Sample includes 60,815 students who took at least one AP in their junior or senior year.

Figure A7: Proportion of Students Taking Any AP Exams, by Cohort and Family Income



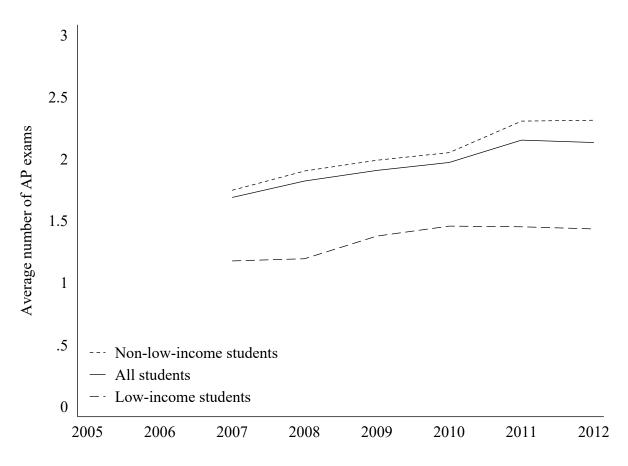
Notes: Unit of analysis is a student. Year refers to the spring of a student's 12th grade year. AP exam data does not include test dates, so exam-taking is based on all exams taken by a student. Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Sample includes 135,272 students.

Figure A8: Proportion of Students Taking Any AP Exams, Conditional on Taking Any AP Course, by Cohort and Family Income



Notes: Unit of analysis is a student. Year refers to the spring of a student's 12th grade year. AP coursetaking is based on what a student took in their junior and senior year. AP exam data does not include test dates, so exam-taking is based on all exams taken by a student. Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Sample includes 49,092 students in the classes of 2007 to 2012 who took at least one AP in their junior or senior year.

Figure A9: Average Number of AP Exams Taken by Students, Conditional on Taking Any AP Course, by Cohort and Family Income



Notes: Unit of analysis is a student. Year refers to the spring of a student's 12th grade year. AP coursetaking is based on what a student took in their junior and senior year. AP exam data does not include test dates, so exam-taking is based on all exams taken by a student. Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Sample includes 49,092 students in the classes of 2007 to 2012 who took at least one AP in their junior or senior year.

Table A1: Effect of AP Course Availability on AP Coursetaking, by Bins of AP Courses Taken

	(1) Took 0 AP courses	(2) Took 1-2 AP courses	(3) Took 3-4 AP courses	(4) Took 5+ AP courses
	A. Overall H	Effect		
# AP courses available	-0.011***	0.005**	0.003*	0.003**
junior and senior year	(0.003)	(0.002)	(0.002)	(0.001)
Mean of outcome variable	[0.649]	[0.235]	[0.085]	[0.031]
Observations	173,151	173,151	173,151	173,151
B. Ef	fect by Prior	Achievment		
Effect of # available AP courses	for:			
Bottom 75% of test score distn.	-0.012***	0.009***	0.003*	0.000
	(0.003)	(0.002)	(0.001)	(0.001)
Group mean	(0.750)	[0.200]	[0.042]	[0.008]
Observations	116,319	116,319	116,319	116,319
	,	,	,	,
Top 25% of test score distn.	-0.012***	-0.002	0.004	0.010**
1	(0.004)	(0.006)	(0.004)	(0.004)
Group mean	[0.294]	[0.368]	[0.231]	[0.106]
Observations	38,230	38,230	38,230	38,230

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Table reports estimate of p < 0.1 in Equation 1, which regresses student-level course-taking on AP course availability. In this specification, each outcome is an indicator for taking the specified number of AP courses. AP availability is measured at the school-by-cohort level, and counts the number of AP courses available to a high school cohort in their junior and senior year. Middle school math test score is measured as a standardized scale score. I use eighth grade test score if available and seventh grade score if not. Students missing a test score are not included in Panel B. Effects by academic preparation are estimated with separate estimations of Equation 1 by test score group. All regressions include school fixed effects, year fixed effects, and school-specific linear time trends. Robust standard errors clustered at the school level are in parentheses.

Table A2: Effect of Newly Available AP Courses on Marginal vs. Inframarginal AP Course Taking

	(1) # of new AP courses taken	(2) # of old AP courses taken	
# of AP courses *newly* available at school in junior and senior year	0.023*** (0.003)	-0.008 (0.009)	
Mean of outcome variable	[0.018]	[0.784]	
Observations Cohorts	$155,196 \\ 2006-2012$		

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimate of regressions where the treatment variable is the number of AP courses newly available to a high school cohort (that is, offered to them but not the cohort prior). The number of new AP courses taken are the number of AP courses a student takes which weren't available to the cohort immediately prior to theirs. The number of old AP courses taken are the number of AP courses a student takes which were available to the prior cohort. Regressions include school fixed effects, year fixed effects, and school-specific linear time trends. Robust standard errors clustered at the school level are in parentheses.

Table A3: Effect of AP Course Availability on College Enrollment, Disaggregating Enrollment by Selectivity Category

	(1) Enrolled non- compet. college	(2) Enrolled less compet college	(3) Enrolled compet. college	(4) Enrolled very compet. college	(5) Enrolled highly compet. college	(6) Enrolled most compet. college
# AP courses available	-0.001	-0.000	0.002*	-0.002*	0.001	-0.000
junior and senior year	(0.002)	(0.000)	(0.001)	(0.001)	(0.001)	(0.000)
Mean of outcome variable	[0.307]	[0.017]	[0.235]	[0.105]	[0.051]	[0.005]
Observations	173,151					
Cohorts	2005-2012					

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Table reports estimates of p = 0.1 from Equation 3, which regresses student-level college outcomes on AP course availability. AP availability is measured at the school-by-cohort level, and counts the number of AP courses available to a high school cohort in their junior and senior year. Regressions include school fixed effects, year fixed effects, and school-specific linear time trends. Robust standard errors clustered at the school level are in parentheses. All college outcomes are unconditional on initial enrollment.

Table A4: Effect of AP Course Availability on AP Course- and Exam-Taking, by Initial Size of School's AP Program

	(1) Any AP courses taken	(2) # AP courses taken	(3) Any AP exams taken	(4) # AP exams taken
Effect of # available AP	courses for:			
Students in schools	0.016*	0.018	0.011	0.015
with $0-4$ APs in 2005	(0.008)	(0.013)	(0.006)	(0.011)
Group mean	[0.150]	[0.241]	[0.097]	[0.162]
Observations	22,676	22,676	16,676	16,676
Students in schools	0.010***	0.034***	0.003	0.011
with $5+$ APs in 2005	(0.003)	(0.011)	(0.002)	(0.008)
Group mean	[0.382]	[0.868]	[0.299]	[0.817]
Observations	150,475	150,475	118,596	118,596
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Initial number of APs are measured at the school level, for the high school graduating class of 2005 (or, the first year a school appears in the panel). Effects by initial AP offerings are estimated with separate estimations of Equation 1. AP availability is measured at the school-by-cohort level, and counts the number of AP courses available to a high school cohort in their junior and senior year. Regressions include school fixed effects, year fixed effects, school-specific linear time trends. Robust standard errors clustered at the school level in parentheses. Group-level means of the course- and exam-taking variables are in brackets.

Table A5: Effect of AP Course Availability on College Outcomes, by Initial Size of School's AP Program

	(1) Enrolled any college	(2) Enrolled 2-year college	(3) Enrolled 4-year college	(4) Enrolled compet.+ college	(5) Earned BA in 4 years	(6) Earned BA in 6 years
Effect of # available AP	courses for	r:				
Students in schools	0.012**	0.006	0.005	0.005	-0.001	-0.001
with $0-4$ APs in 2005	(0.005)	(0.004)	(0.005)	(0.004)	(0.001)	(0.002)
	[0.553]	[0.274]	[0.293]	[0.253]	[0.044]	[0.130]
Observations			22,6	576		
Students in schools	0.000	-0.002	0.001	0.002	0.001	0.001
with $5+$ APs in 2005	(0.002)	(0.002)	(0.002)	(0.002)	(0.001)	(0.002)
	[0.722]	[0.290]	[0.450]	[0.415]	[0.175]	[0.349]
Observations	-	-	150,	475	-	_

Notes: ${}^*p < 0.1$, ${}^{**}p < 0.05$, ${}^{***}p < 0.01$. Initial number of APs are measured at the school level, for the high school graduating class of 2005 (or, the first year a school appears in the panel). Effects by initial AP offerings are estimated with separate estimations of Equation 3. AP availability is measured at the school-by-cohort level, and counts the number of AP courses available to a high school cohort in their junior and senior year. Regressions include school fixed effects, year fixed effects, and school-specific linear time trends. Robust standard errors clustered at the school level are in parentheses. Group-level means of the outcome variables are in brackets. All college outcomes are unconditional on initial enrollment.

Table A6: Effect of AP Course Availability on College Outcomes, Disaggregating AP Availability by STEM/non-STEM

	(1) Enrolled any college	(2) Enrolled 2-year college	(3) Enrolled 4-year college	(4) Enrolled compet.+ college	(5) Earned BA in 4 years	(6) Earned BA in 6 years
# AP courses available in:						
STEM subjects	0.001	-0.000	0.002	0.002	-0.001	-0.000
	(0.003)	(0.003)	(0.003)	(0.003)	(0.001)	(0.003)
Non-STEM subjects	0.002 (0.003)	-0.001 (0.002)	0.002 (0.002)	0.002 (0.002)	0.002* (0.001)	0.001 (0.002)
Mean of outcome variable	[0.700]	[0.288]	[0.430]	[0.394]	[0.158]	[0.320]
Observations Cohorts	$173,151 \\ 2005-2012$					

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Table reports estimates of p = 0.01 and p = 0.01 from Equation 4, which regresses student-level college outcomes on STEM and non-STEM AP course availability. AP availability is measured at the school-by-cohort level, and counts the number of AP courses available to a high school cohort in their junior and senior year. STEM APs include calculus, statistics, physics, biology, chemistry, computer science, and environmental science; non-STEM includes all other subjects. Regressions include school fixed effects, year fixed effects, and school-specific linear time trends. Robust standard errors clustered at the school level are in parentheses. All college outcomes are unconditional on initial enrollment.

Table A7: Effect of AP Course Availability on College Outcomes, Disaggregating AP Availability by Subject Group

	(1) Enrolled any college	(2) Enrolled 2-year college	(3) Enrolled 4-year college	(4) Enrolled compet.+ college	(5) Earned BA in 4 years	(6) Earned BA in 6 years	
# AP courses available in: English	0.008 (0.015)	0.010 (0.012)	-0.006 (0.009)	-0.003 (0.009)	-0.002 (0.005)	-0.005 (0.009)	
Science	0.001 (0.005)	0.001 (0.004)	$0.000 \\ (0.004)$	$0.000 \\ (0.004)$	-0.002 (0.002)	-0.002 (0.003)	
Math & Computer Science	0.001 (0.005)	-0.002 (0.005)	$0.005 \\ (0.005)$	$0.005 \\ (0.005)$	$0.000 \\ (0.003)$	0.002 (0.004)	
History & Social Science	0.000 (0.004)	-0.002 (0.003)	$0.000 \\ (0.003)$	0.001 (0.003)	0.001 (0.001)	-0.000 (0.002)	
Languages	$0.005 \\ (0.005)$	-0.003 (0.004)	0.008* (0.004)	0.006 (0.004)	0.004 (0.004)	0.004 (0.005)	
Arts	0.003 (0.007)	-0.002 (0.005)	0.004 (0.007)	0.002 (0.006)	0.006* (0.004)	0.003 (0.005)	
Mean of outcome variable	[0.700]	[0.288]	[0.430]	[0.394]	[0.158]	[0.320]	
Observations Cohorts	$173,151 \\ 2005-2012$						

Notes: ${}^*p < 0.1$, ${}^{**}p < 0.05$, ${}^{***}p < 0.01$. Table reports estimates of a regression of student-level college outcomes on six subject-specific counts of AP course availability. AP availability is measured at the school-by-cohort level, and counts the number of AP courses available to a high school cohort in their junior and senior year. Science APs include biology, chemistry, computer science, environmental science, and physics. Math and computer science includes calculus, statistics, and computer science. History and social science includes comparative government and politics; European history; human geography; economics; psychology; US history; US government and politics; and world history. Languages include Chinese, French, German, Italian, Japanese, Latin, and Spanish. Arts include art history, studio art, and music theory. Regressions include school fixed effects, year fixed effects, and school-specific linear time trends. Robust standard errors clustered at the school level are in parentheses. All college outcomes are unconditional on initial enrollment.

Table A8: Effect of AP Course Availability on AP Course- and Exam-Taking, with Additional Student and School Controls

	(1)	(2)	(3)	(4)
	Any AP	# AP	Any AP	# AP
	courses	courses	exams	exams
	taken	taken	taken	taken
# AP courses available	0.010***	0.032***	0.004**	0.012
in junior and senior year	(0.003)	(0.010)	(0.002)	(0.008)
Mean of outcome variable	[0.351]	[0.786]	[0.274]	[0.736]
Kleibergen-Paap Wald F statistic	13.11	9.93	4.45	2.36
Observations	173,151	173,151	135,272	135,272
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimate of Equation 1. Regressions include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (race, gender, free or reduced price lunch status, and middle school standardized math test score), and time-varying school-level controls (average middle school test score, size of senior class, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Estimates without controls appear in Table 2.

Table A9: Effect of AP Course Availability on AP Course- and Exam-Taking, by Family Income, with Additional Student and School Controls

	(1) Any AP courses taken	(2) # AP courses taken	(3) Any AP exams taken	(4) # AP exams taken
Effect of # available AP of	ourses for:			
Low-income students	0.008**	0.010	-0.000	-0.008
	(0.004)	(0.008)	(0.003)	(0.008)
Group mean	[0.196]	[0.364]	[0.139]	[0.297]
Observations	41,974	41,974	$35,\!378$	$35,\!378$
Non-low-income students	0.010*** (0.003)	0.038*** (0.012)	0.005*** (0.002)	0.020** (0.009)
Group mean	[0.401]	[0.921]	[0.322]	[0.892]
Observations	$131,\!177$	$131,\!177$	99,894	99,894
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: ${}^*p < 0.1, {}^{**}p < 0.05, {}^{***}p < 0.01$. Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Effects by income are estimated with separate estimations of Equation 1 by FRPL status. Regressions include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (race, gender, and middle school standardized math test score), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Means of the course- and exam-taking variables are in brackets. Estimates without controls appear in Table 3.

Table A10: Effect of AP Course Availability on AP Course- and Exam-Taking, by Race and Ethnicity, with Additional Student and School Controls

	(1) Any AP courses taken	(2) # AP courses taken	(3) Any AP exams taken	(4) # AP exams taken
Effect of # available AP courses for:				
Black, Hispanic, & Native students	0.011**	0.011	0.000	-0.003
	(0.005)	(0.009)	(0.003)	(0.007)
Group mean	[0.202]	[0.362]	[0.125]	[0.248]
Observations	37,018	37,018	29,041	29,041
White & Asian students	0.010*** (0.003)	0.036*** (0.011)	0.005** (0.002)	0.017* (0.009)
Group mean	[0.392]	[0.901]	[0.315]	[0.870]
Observations	136,133	136,133	106,231	106,231
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Effects by race are estimated with separate estimations of Equation 1 by underrepresented minority status. Underrepresented minority includes students who identify as Black, Hispanic, American Indian, Native Hawaiian, or Pacific Islander. Regressions include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (gender, free or reduced price lunch status, and middle school standardized math test score), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Means of the course- and exam-taking variables are in brackets. Estimates without controls appear in Table 4.

Table A11: Effect of AP Course Availability on AP Course- and Exam-Taking, by Prior Achievement, with Additional Student and School Controls

	(1) Any AP courses taken	(2) # AP courses taken	(3) Any AP exams taken	(4) # AP exams taken
A. Linear Te	est Score Inte	eraction		
# AP courses available at school	0.010***	0.023**	0.002	-0.005
in junior & senior year	(0.003)	(0.011)	(0.002)	(0.008)
Middle school math test score	0.168***	0.243***	0.126***	0.080
wilddie school matii test score	(0.017)	(0.055)	(0.016)	(0.067)
	(0.011)	(0.000)	(0.010)	(0.001)
# of AP courses available * math score	0.005***	0.043***	0.007***	0.065***
"	(0.001)	(0.005)	(0.001)	(0.006)
Observations	154,549	154,549	123,003	123,003
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012
D. W	D	4 T		
B. Top 25 vs. Botto	m 75 Percen	t of Test Sco	ores	
Effect of # available AP courses for:	0.012***	0.023**	0.002	0.000
Bottom 75% of test score distribution		(0.023)	0.003 (0.002)	0.002 (0.005)
Group mean	(0.003) $[0.250]$	[0.442]	[0.002)	[0.330]
Observations	[0.230] $116,319$	116,319	92,564	92,564
Observations	110,519	110,519	92,504	92,004
Top 25%	0.010**	0.069***	0.007	0.046*
	(0.004)	(0.024)	(0.004)	(0.025)
Group mean	[0.706]	[1.941]	[0.625]	[2.062]
Observations	38,230	38,230	30,439	30,439
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Middle school math test score is measured as a standardized scale score. I use eighth grade test score if available and seventh grade score if not. Students missing a test score are not included in this analysis. In Panel A, effects by academic preparation are estimated using a single equation (Equation 2), where course availability is interacted with the continuous measure of test score. In Panel B., effects by academic preparation are estimated with separate estimations of Equation 1 by test score group. All regressions in this table include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (race, gender, and free or reduced price lunch status), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Means of the course- and exam-taking variables are in brackets. Estimates without controls appear in Table 5.

Table A12: Effect of AP Course Availability on College Outcomes, with Additional Student and School Controls

	(1)	(2)	(3)	(4)	(5)	(6)
	Enrolled	Enrolled	Enrolled	Enrolled	Earned	Earned
	any	2-year	4-year	compet.+	BA in	BA in
	college	college	college	college	4 years	6 years
# AP courses available junior and senior year	0.001 (0.002)	-0.001 (0.002)	0.002 (0.002)	0.002 (0.002)	0.001 (0.001)	0.000 (0.001)
Mean of outcome variable	[0.700]	[0.288]	[0.430]	[0.394]	[0.158]	[0.320]
Observations Cohorts	173,151 2005-2012					

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimate of Equation 3. Regressions include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (race, gender, free or reduced price lunch status, and middle school standardized math test score), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. All college outcomes are unconditional on initial enrollment. Estimates without controls appear in Table 6.

Table A13: Effect of AP Course Availability on College Outcomes, by Family Income, with Additional Student and School Controls

	(1) Enrolled any college	(2) Enrolled 2-year college	(3) Enrolled 4-year college	(4) Enrolled compet.+ college	(5) Earned BA in 4 years	(6) Earned BA in 6 years
Effect of # available AP of	courses for:	·	·		·	
Low-income students	0.004	0.001	0.001	0.001	0.000	-0.000
	(0.003)	(0.003)	(0.003)	(0.003)	(0.001)	(0.002)
	[0.558]	[0.300]	[0.271]	[0.229]	[0.045]	[0.132]
Observations			41,9	074		
Non-low-income students	-0.000	-0.002	0.001	0.002	0.001	-0.000
	(0.002)	(0.002)	(0.002)	(0.002)	(0.001)	(0.002)
	[0.745]	[0.284]	[0.480]	[0.446]	[0.194]	[0.380]
Observations			131,	177		

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Effects by income are estimated with separate estimations of Equation 3 by FRPL status. Regressions include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (race, gender, and middle school standardized math test score), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Group means of the outcome variables are in brackets. All college outcomes are unconditional on initial enrollment. Estimates without controls appear in Table 7.

Table A14: Effect of AP Course Availability on College Outcomes, by Race and Ethnicity, with Additional Student and School Controls

	(1) Enrolled any college	(2) Enrolled 2-year college	(3) Enrolled 4-year college	(4) Enrolled compet.+ college	(5) Earned BA in 4 years	(6) Earned BA in 6 years
Effect of # available AP	courses for	•				
Black, Hispanic,	0.005	0.003	0.002	0.003	0.001	0.003
& Native students	(0.004)	(0.003)	(0.003)	(0.003)	(0.001)	(0.002)
	[0.589]	[0.274]	[0.330]	[0.284]	[0.054]	[0.147]
Observations			37,0	18		
White & Asian students	-0.000	-0.002	0.001	0.001	0.000	-0.001
	(0.002)	(0.002)	(0.002)	(0.002)	(0.001)	(0.002)
	[0.730]	[0.292]	[0.457]	[0.423]	[0.186]	[0.367]
Observations			136,	133		

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Effects by race are estimated with separate estimations of Equation 3 by underrepresented minority status. Underrepresented minority includes students who identify as Black, Hispanic, American Indian, Native Hawaiian, or Pacific Islander. Regressions include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (gender, free or reduced price lunch status, and middle school standardized math test score), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Group means of the outcome variables are in brackets. All college outcomes are unconditional on initial enrollment. Estimates without controls appear in Table 8.

Table A15: Effect of AP Course Availability on College Outcomes, by Academic Preparation, with Additional Student and School Controls

	(1)	(2)	(3)	(4)	(5)	(6)
	Enrolled	Enrolled	Enrolled	Enrolled	Earned	Earned
	any	2-year	4-year	compet.+	BA in	BA in
	college	college	college	college	4 years	6 years
Effect of # available	AP course	es for:				
Bottom 75% of test	0.001	-0.001	0.001	0.002	-0.001	-0.000
score distribution	(0.002)	(0.002)	(0.002)	(0.002)	(0.001)	(0.002)
	[0.678]	[0.339]	[0.358]	[0.318]	[0.096]	[0.245]
Observations			116,	319		
Top 25%	0.003	-0.001	0.004*	0.004	0.005*	0.002
	(0.003)	(0.003)	(0.002)	(0.003)	(0.003)	(0.003)
	[0.857]	[0.159]	[0.717]	[0.686]	[0.367]	[0.601]
Observations			38,2	230		

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Middle school math test score is measured as a standardized scale score. I use eighth grade test score if available and seventh grade score if not. Students missing a test score are not included in this analysis. Effects by academic preparation are estimated with separate estimations of Equation 3 by test score group. Regressions include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (race, gender, and free or reduced price lunch status), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Group means of the outcome variables are in brackets. All college outcomes are unconditional on initial enrollment. Estimates without controls appear in Table 9.

Table A16: Effect of AP Course Availability on AP Course- and Exam-Taking, by Family Income, with Additional Student and School Controls, Estimated in a Single Regression

	(1) Any AP courses	(2) # AP courses	(3) Any AP exams	(4) # AP exams
	taken	taken	taken	taken
Effect of # available AP of	courses for:			
Low-income students	0.004	0.009	-0.003	-0.015*
	(0.003)	(0.010)	(0.002)	(0.009)
Group mean	[0.196]	[0.364]	[0.139]	[0.297]
Non-low-income students	0.012*** (0.003)	0.039*** (0.010)	0.006*** (0.002)	0.022*** (0.008)
Group mean	[0.401]	[0.921]	[0.322]	[0.892]
Observations	173,151	173,151	135,272	135,272
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). In this specification, effects by income are estimated with a single regression where the number of available AP courses is interacted with FRPL status. Regressions also include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (race, gender, and middle school standardized math test score), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Group-level means of the course- and exam-taking variables are in brackets.

Table A17: Effect of AP Course Availability on AP Course- and Exam-Taking, by Race and Ethnicity, with Additional Student and School Controls, Estimated in a Single Regression

	(1) Any AP courses taken	(2) # AP courses taken	(3) Any AP exams taken	(4) # AP exams taken
Effect of # available AP courses for:	•			
Black, Hispanic, & Native students	0.005	0.002	-0.003	-0.028**
	(0.003)	(0.011)	(0.002)	(0.011)
Group mean	[0.202]	[0.362]	[0.125]	[0.248]
White & Asian students	0.011*** (0.003)	0.038*** (0.010)	0.006*** (0.002)	0.022*** (0.007)
Group mean	[0.392]	[0.901]	[0.315]	[0.870]
5.55 SF 3.55 SE	[0.00_]	[0.00_]	[0.0_0]	[0.0,0]
Observations	173,151	173,151	135,272	135,272
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: ${}^*p < 0.1$, ${}^{**}p < 0.05$, ${}^{***}p < 0.01$. In this specification, effects by race are estimated with a single regression where the number of available AP courses is interacted with underrepresented minority status. Underrepresented minority includes students who identify as Black, Hispanic, American Indian, Native Hawaiian, or Pacific Islander. Regressions also include school fixed effects, year fixed effects, school-specific linear time trends, student-level controls (gender, free or reduced price lunch status, and middle school standardized math test score), and time-varying school-level controls (average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year). Robust standard errors clustered at the school level in parentheses. Group-level means of the course- and exam-taking variables are in brackets.

Table A18: Effect of AP Course Availability on College Outcomes, with Combinations of Student and School Controls and School-Specific Time Trends

	En	rolled in o	competiti	ve+ colleg	ge	
	(1)	(2)	(3)	(4)	(5)	
# AP courses available	0.004***	0.002	0.002	0.002	0.002	
junior and senior year	(0.001)	(0.001)	(0.001)	(0.002)	(0.002)	
Mean of outcome variable	[0.394]					
	E	Earned BA degree in 4 years				
	(6)	(7)	(8)	(9)	(10)	
# AP courses available	0.002**	0.001	0.001	0.001	0.001	
junior and senior year	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	
Mean of outcome variable	[0.158]					
	F	Earned BA	A degree i	n 6 vears		
	(11)	(12)	(13)	(14)	(15)	
# AP courses available	0.002	0.001	0.000	0.000	0.001	
junior and senior year	(0.001)	(0.001)	(0.001)	(0.001)	(0.002)	
Mean of outcome variable		[0.32]	20]			
School controls	N	Y	Y	Y	N	
Student controls	N	N	Y	Y	N	
School-specific time trends	N	N	N	Y	Y	
Observations			173,151			
Cohorts		2	2005-2012			

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimate of Equation 3, with the inclusion of the indicated controls for each column. Student-level controls include race, gender, free or reduced price lunch status, and middle school standardized math test score. Time-varying school-level controls include average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year. Robust standard errors clustered at the school level in parentheses. Estimates in the final column (specifications 5, 10, and 15) correspond to those in in Table 6.

Table A19: Effect of AP Course Availability on College Outcomes, with Combinations of Student and School Controls and School-Specific Time Trends, Top 25% of Test Scores Only

	F	Enrolled in	competit	tive+ coll	ege	
	(1)	(2)	(3)	(4)	(5)	
# AP courses available junior and senior year	0.004* (0.002)	0.004** (0.002)	0.003* (0.002)	0.004 (0.003)	0.005* (0.002)	
Mean of outcome variable		[0.6	586]			
		Earned E	3A degree	in 4 year	rs.	
	(6)	(7)	(8)	(9)	(10)	
# AP courses available junior and senior year	0.005 (0.003)	0.005 (0.003)	0.004 (0.003)	0.005* (0.003)	0.007*** (0.003)	
Mean of outcome variable	[0.367]					
		Earned E	3A degree	in 6 vear	rs	
	(11)	(12)	(13)	(14)	(15)	
# AP courses available junior and senior year	0.003 (0.003)	0.003 (0.003)	0.002 (0.003)	0.002 (0.003)	0.004 (0.003)	
Mean of outcome variable		[0.6	601]			
School controls	N	Y	Y	Y	N	
Student controls	N	N	Y	Y	N	
School-specific time trends	N	N	N	Y	Y	
Observations	38,230					
Cohorts			2005-201	2		

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Table reports estimate of Equation 3, with the inclusion of the indicated controls for each column, estimated on the top 25 percent of the sample by middle school math test score. Student-level controls include race, gender, and free or reduced price lunch status. Time-varying school-level controls include average middle school test score, school enrollment, pupil:teacher ratio, per student instructional spending, and local unemployment, all measured in the student's sophomore year. Robust standard errors clustered at the school level in parentheses. Estimates in the final column (specifications 5, 10, and 15) correspond to those in Table 9.

Table A20: Effect of AP Course Availability on AP Course- and Exam-Taking, DID_M Alternative to TWFE Estimates

	(1)	(2)	(3)	(4)
	Any AP	# AP	Any AP	# AP
	courses	courses	exams	exams
	taken	taken	taken	taken
# AP courses available	0.002	0.020	-0.001	0.003
junior and senior year	(0.006)	(0.016)	(0.005)	(0.020)
Mean of outcome variable	[0.351]	[0.786]	[0.274]	[0.736]
Observations	125,022	125,022	91,019	91,019
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimates of DID_M based on de Chaisemartin and D'Haultfœuille (2020). Estimates include school fixed effects, year fixed effects, and school-specific linear time trends. Bootstrapped standard errors clustered at the school level in parentheses.

Table A21: Effect of AP Course Availability on AP Course- and Exam-Taking, by Family Income, DID_M Alternative to TWFE Estimates

	(1) Any AP courses taken	(2) # AP courses taken	(3) Any AP exams taken	(4) # AP exams taken
Effect of # available AP of	courses for:			
Low-income students	0.003	0.005	-0.000	-0.010
	(0.009)	(0.019)	(0.005)	(0.017)
Group mean	[0.196]	[0.364]	[0.139]	[0.297]
Observations	32,511	32,511	25,844	25,844
Non-low-income students	0.003	0.028	-0.001	0.010
	(0.006)	(0.019)	(0.006)	(0.026)
Group mean	[0.401]	[0.921]	[0.322]	[0.892]
Observations	89,887	89,887	65,173	65,173
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Table reports estimates of DID_M , separately by income status, based on de Chaisemartin and D'Haultfœuille (2020). Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Estimates include school fixed effects, year fixed effects, and school-specific linear time trends. Bootstrapped standard errors clustered at the school level in parentheses. Group mean of outcome variable in square brackets.

Table A22: Effect of AP Course Availability on AP Course- and Exam-Taking, by Race and Ethnicity, DID_M Alternative to TWFE Estimates

	(1) Any AP courses taken	(2) # AP courses taken	(3) Any AP exams taken	(4) # AP exams taken
Effect of # available AP courses for:				
Black, Hispanic, & Native students	-0.015	-0.013	-0.007	0.003
	(0.023)	(0.037)	(0.010)	(0.023)
Group mean	[0.202]	[0.362]	[0.125]	[0.248]
Observations	26,342	26,342	19,776	19,776
White & Asian students	0.005	0.034	-0.001	0.005
	(0.008)	(0.022)	(0.006)	(0.025)
Group mean	[0.392]	[0.901]	[0.315]	[0.870]
Observations	97,394	97,394	71,054	71,054
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimates of DID_M , separately by underrepresented minority status, based on de Chaisemartin and D'Haultfœuille (2020). Underrepresented minority includes students who identify as Black, Hispanic, American Indian, Native Hawaiian, or Pacific Islander. Estimates include school fixed effects, year fixed effects, and school-specific linear time trends. Bootstrapped standard errors clustered at the school level in parentheses. Group mean of outcome variable in square brackets.

Table A23: Effect of AP Course Availability on AP Course- and Exam-Taking, by Academic Preparation, DID_M Alternative to TWFE Estimates

	(1) Any AP courses taken	(2) # AP courses taken	(3) Any AP exams taken	(4) # AP exams taken
Effect of # available AP cou	urses for:			
Students in bottom 75% of	0.004	0.011	0.001	-0.003
test score distribution	(0.006)	(0.013)	(0.004)	(0.013)
Group mean	[0.250]	[0.442]	[0.170]	[0.330]
Observations	86,632	86,632	63,895	63,895
Students in top 25%	-0.001	0.077**	-0.006	0.050
	(0.009)	(0.038)	(0.012)	(0.061)
Group mean	[0.706]	[1.941]	[0.625]	[2.062]
Observations	25,128	25,128	19,159	19,159
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Table reports estimates of DID_M , separately by test score range, based on de Chaisemartin and D'Haultfœuille (2020). Middle school math test score is measured as a standardized scale score. I use eighth grade test score if available and seventh grade score if not. Students missing a test score are not included in this analysis. Estimates include school fixed effects, year fixed effects, and school-specific linear time trends. Bootstrapped standard errors clustered at the school level in parentheses. Group mean of outcome variable in square brackets.

Table A24: Effect of AP Course Availability on College Outcomes, DID_M Alternative to TWFE Estimates

	(1) Enrolled	(2) Enrolled	(3) Enrolled	(4) Enrolled	(5) Earned	(6) Earned
	any college	2-year college	4-year college	compet.+	BA in 4 years	BA in 6 years
# AP courses available junior and senior year	-0.012 (0.009)	-0.015 (0.012)	0.002 (0.007)	0.002 (0.007)	-0.002 (0.003)	-0.004 (0.004)
Mean of outcome variable	[0.700]	[0.288]	[0.430]	[0.394]	[0.158]	[0.320]
Observations Cohorts	125,022	125,022	125,022 2005-	125,022 -2012	125,022	125,022

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimates of DID_M based on de Chaisemartin and D'Haultfœuille (2020). Estimates include school fixed effects, year fixed effects, and school-specific linear time trends. Bootstrapped standard errors clustered at the school level in parentheses.

Table A25: Effect of AP Course Availability on College Outcomes, by Family Income, DID_M Alternative to TWFE Estimates

	(1) Enrolled any college	(2) Enrolled 2-year college	(3) Enrolled 4-year college	(4) Enrolled compet.+ college	(5) Earned BA in 4 years	(6) Earned BA in 6 years	
Effect of # available AP courses for:							
Low-income students	-0.005	-0.021	0.016	0.014	-0.003	-0.007	
	(0.011)	(0.018)	(0.012)	(0.011)	(0.004)	(0.005)	
	[0.558]	[0.300]	[0.271]	[0.229]	[0.045]	[0.132]	
Observations	32,511						
Non-low-income students	-0.015	-0.013	-0.003	-0.002	-0.003	-0.004	
	(0.011)	(0.009)	(0.006)	(0.006)	(0.003)	(0.004)	
	[0.745]	[0.284]	[0.480]	[0.446]	[0.194]	[0.380]	
Observations	89,887						

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimates of DID_M , separately by income status, based on de Chaisemartin and D'Haultfœuille (2020). Low-income status is proxied by eligibility for free or reduced-price lunch (FRPL). Estimates include school fixed effects, year fixed effects, and school-specific linear time trends. Bootstrapped standard errors clustered at the school level in parentheses. Group mean of outcome variable in square brackets.

Table A26: Effect of AP Course Availability on College Outcomes, by Race and Ethnicity, DID_M Alternative to TWFE Estimates

	(1) Enrolled any college	(2) Enrolled 2-year college	(3) Enrolled 4-year college	(4) Enrolled compet.+ college	(5) Earned BA in 4 years	(6) Earned BA in 6 years	
Effect of # available AP courses for:							
Black, Hispanic,	-0.009	0.004	-0.013	-0.016	0.003	0.002	
& Native students	(0.019)	(0.020)	(0.019)	(0.019)	(0.007)	(0.011)	
	[0.589]	[0.274]	[0.330]	[0.284]	[0.054]	[0.147]	
Observations	26,342						
White & Asian students	-0.008	-0.010	-0.001	-0.001	-0.003	-0.004	
	(0.015)	(0.012)	(0.007)	(0.007)	(0.003)	(0.005)	
	[0.730]	[0.292]	[0.457]	[0.423]	[0.186]	[0.367]	
Observations	97,394						

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimates of DID_M , separately by underrepresented minority status, based on de Chaisemartin and D'Haultfœuille (2020). Underrepresented minority includes students who identify as Black, Hispanic, American Indian, Native Hawaiian, or Pacific Islander. Estimates include school fixed effects, year fixed effects, and school-specific linear time trends. Bootstrapped standard errors clustered at the school level in parentheses. Group mean of outcome variable in square brackets.

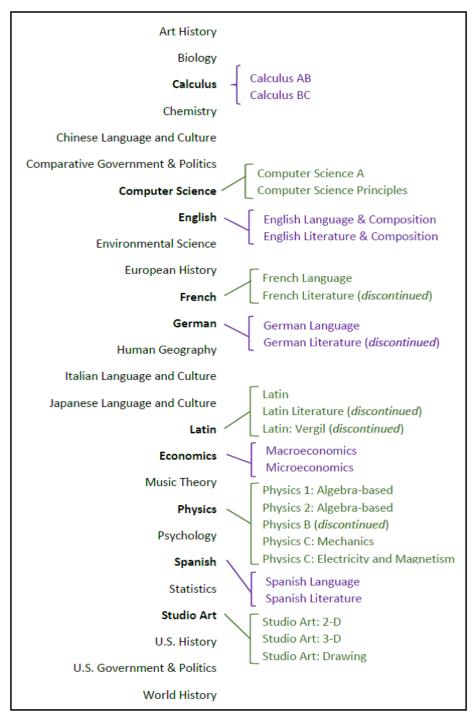
Table A27: Effect of AP Course Availability on College Outcomes, by Academic Preparation, DID_M Alternative to TWFE Estimates

	(1) Enrolled any	(2) Enrolled 2-year	(3) Enrolled 4-year	(4) Enrolled compet.+	(5) Earned BA in	(6) Earned BA in	
	college	college	college	college	4 years	6 years	
Effect of # available AP courses for:							
Students in bottom 75%	-0.012	-0.019	0.005	0.004	-0.003	-0.003	
of test score distn.	(0.008)	(0.013)	(0.009)	(0.009)	(0.003)	(0.004)	
	[0.678]	[0.339]	[0.358]	[0.318]	[0.096]	[0.245]	
Observations	86,632						
Q. 1	0.000	0.000	0.000	0.014	0.000	0.001	
Students in top 25%	0.008	0.002	0.009	0.011	0.003	0.001	
	(0.010)	(0.008)	(0.011)	(0.011)	(0.010)	(0.010)	
	[0.857]	[0.159]	[0.717]	[0.686]	[0.367]	[0.601]	
Observations	25,128						

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Table reports estimates of DID_M , separately by test score range, based on de Chaisemartin and D'Haultfœuille (2020). Middle school math test score is measured as a standardized scale score. I use eighth grade test score if available and seventh grade score if not. Students missing a test score are not included in this analysis. Estimates include school fixed effects, year fixed effects, and school-specific linear time trends. Bootstrapped standard errors clustered at the school level in parentheses. Group mean of outcome variable in square brackets.

B. Data Appendix

Figure B1: Coding of AP Courses by Subject



Notes: Subjects in bold have been collapsed from multiple AP subjects, corresponding to the bracketed courses, due to data limitations. This was done because in many cases it was impossible to distinguish, e.g., English Literature and Composition from English Language and Composition (because the school would list the course as "AP English.")

Table B1: Most Popular AP Courses Offered, Courses Taken, and Exams Taken, by Cohort

	Top 5 AP courses offered (school level)	Top 5 AP courses taken (student level)	Top 5 AP exams taken (student level)
2005	English U.S. History Calculus Biology Chemistry	English Calculus U.S. Government Biology U.S. History	(student level)
2006	English Calculus U.S. History Chemistry Biology	English Calculus U.S. Government Biology U.S. History	
2007	English Calculus U.S. History Chemistry Biology	English Calculus U.S. Government Biology Psychology	English Calculus U.S. Government Biology Psychology
2008	English Calculus U.S. History Biology U.S. Government	English Calculus U.S. Government Biology Psychology	English Calculus U.S. History Biology U.S. Government
2009	English Calculus U.S. History Biology U.S. Government	English Calculus U.S. Government Biology Psychology	English Calculus U.S. History Biology U.S. Government
2010	English Calculus U.S. History Biology U.S. Government	English Calculus U.S. Government Biology Psychology	English Calculus U.S. History U.S. Government Biology
2011	English Calculus U.S. History Biology U.S. Government	English Calculus U.S. Government Psychology Biology	English Calculus U.S. History U.S. Government Biology
2012	English Calculus Biology U.S. History Chemistry	English Calculus Psychology U.S. Government Biology	English Calculus Psychology U.S. History U.S. Government

Table B2: Count of AP Course Additions and Subtractions, by Course

AP Course	Additions	Subtractions	Changes
Art History	17	9	26
Biology	35	19	54
Calculus	10	6	16
Chemistry	28	18	46
Chinese	2	1	3
Comparative Government	5	13	18
Computer Science	28	24	52
Economics	39	21	60
English	13	12	25
Environmental Science	24	9	33
European History	22	25	47
French	14	12	26
German	4	5	9
Human Geography	20	12	32
Italian	1	1	2
Japanese	1	0	1
Latin	1	1	2
Music Theory	5	5	10
Physics	21	15	36
Psychology	41	30	71
Spanish	26	19	45
Statistics	35	17	52
Studio Art	19	15	34
US Government	31	21	52
US History	23	28	51
World History	44	23	67

Notes: Analysis done at the school-by-cohort level. An addition indicates that the course was available to a cohort in their junior or senior year but not available to the previous cohort. A subtraction indicates that the course was not available to a cohort but was available to the previous cohort.

Table B3: List of AP Exams in Dataset

AP exam name

Art History

Art: Drawing

2D Art and Design

3D Art and Design

Biology

Calculus AB

Calculus BC

Chemistry

Chinese Language and Culture

Comparative Government and Politics

Computer Science A

Computer Science AB *

English Language and Composition

English Literature and Composition

Environmental Science

European History

French Language and Culture

French Literature *

German Language and Culture

Human Geography

Italian Language and Culture

Japanese Language and Culture

Latin Language

Latin Literature *

Macroeconomics

Microeconomics

Music Theory

Physics B **

Physics C: Electricity and Magnetism

Physics C: Mechanics

Psychology

Spanish Language and Culture

Spanish Literature and Culture

Statistics

US Government and Politics

US History

World History

Notes: * Discontinued in 2009; ** Discontinued / replaced by Physics 1 and 2 in 2015. As of June 2023, the College Board listed four additional AP courses, all of which were introduced after the sample period of the current study: Physics 1: Algebra Based (introduced 2015); Physics 2: Algebra Based (2015); Computer Science Principles (2017); and Precalculus (introduced for 2023-24 school year).

Data Sources, Key Variables, and Sample Restrictions

Michigan High School Transcript Study (MTS)

My data source for AP course-taking and course availability is the Michigan High School Transcript Study (MTS). In describing the transcript study, I rely heavily on Wallsworth et al. (2015) and Kim et al. (2017), which describe the original data collection and cleaning process in detail. The original purpose of the transcript study was to evaluate the Michigan Merit Curriculum (MMC), "a state policy which sought to increase graduation requirements and promote college attendance and workplace success (effective for the graduating class of 2011)" (Wallsworth et al. 2015, p. i). For a full evaluation of the MMC as well as a summary of the MTS, see Kim et al. (2019).

The MTS attempted to collect school course catalog and student transcript data from a representative sample of 150 Michigan high schools for academic years 2001-02 through 2011-12 (Kim et al., 2017, 2019). At the time that I received access to the data (February 2017), the MTS research team had received data from 138 schools, but only 87 of those had provided the identifying information (name and birthdate) required to match students to the unique ID variable used in all other MEDC data sources. The analytic sample of schools are somewhat larger, more urban, and higher-achieving than the state as a whole (see Table 1).

Key variables derived from MTS data:

- ap_courseX_jr* (student-level): 26 indicator variables denoting whether a student took each of the 26 AP subjects (Art History, Biology, Calculus, etc.) in their junior year. Equals 1 if student appears in MTS as taking a course flagged as AP subject X in the year they were in 11th grade. See more info about course codings below.
- ap_courseX_sr* (student-level): 26 indicator variables denoting whether a student took each of the 26 AP subjects (Art History, Biology, Calculus, etc.) in their senior year. Equals 1 if student appears in MTS as taking a course flagged as AP subject X in the year they were in 12th grade.
- $ap_courseX_jrsr^*$ (student-level): 26 indicator variables denoting whether a student took each of the 26 AP subjects (Art History, Biology, Calculus, etc.) in their junior or senior year. Equals 1 if $ap_courseX_jr$ equals 1 or $ap_courseX_sr$ equals 1.
- $num_ap_courses_jr^*$ (student-level): Number of AP courses taken in a student's junior year. Sum of the 26 $ap_courseX_jr$ variables.
- $num_ap_courses_sr^*$ (student-level): Number of AP courses taken in a student's senior year. Sum of the 26 $ap_courseX_sr$ variables.
- $num_ap_courses_jrsr$ (student-level): Number of AP courses taken in a student's junior and senior year. Sum of $num_ap_courses_jr$ and $num_ap_courses_sr$.

- any_ap_courses_jrsr (student-level): Indicator for taking any AP courses in a student's junior or senior year. Equals 1 if num_ap_courses_jrsr is greater than 0 and equals 0 otherwise.
- $ap_X_jrsr^*$ (school-year-level): 26 indicator variables denoting whether a school offered each of the 26 AP subjects to a cohort in their junior or senior year. Equals 1 for a given cohort, t, and subject, X, if any student from the school appears in MTS as taking AP course X in year t or t-1.
- num_ap_jrsr (school-year level): Number of AP courses available. Sum of the 26 ap_X_jrsr variables. Maximum possible value is 26 (observed max is 20).

Michigan Student Data System (MSDS), A.K.A. MEDC K-12 Student Demographic and Enrollment Data

The MSDS measures K-12 enrollment for all public school students in Michigan.¹ It is a student-by-year file. The version I use covers the 2002-03 through 2017-18 academic years. Each observation is a unique student-by-year record, and includes key variables such as school the student attended, grade, and demographic characteristics (gender, race, and subsidized lunch status). I use 12th grade observations (from the variable grade_fnl, which measures grade) to identify cohorts of high school students in the years and schools covered by the MTS (using the variables year and bcode_spring, which indicates school).

Key variables derived from MSDS data:

- year: Indicates the spring of a student's 12th grade year. For students who repeated 12th grade, the first observation is used.
- bcode: ID variable identifying a student's high school. I use the MSDS variable bcode_spring, which identifies the school a student attended in the spring of a given school year. I use the school code from a student's 12th grade observation. For students who repeated 12th grade, the first observation is used.
- frpl: Indicator variable measuring whether a student was eligible for free or reduced-price lunch in 12th grade. Derived from the variable freeduceddummy.
- black, hisp, amerin, hawaiian, white, and asianamer: Variables indicating mutually exclusive race/ethnicity categories. I use the MSDS indicator variables of the same names with no further cleaning. The "Native" category in Table 1 combines amerin and hawaiian into a single category. For heterogeneity by race, I compare white and Asian students to all underrepresented minorities (Black, Hispanic, and Native).

^{*} These variables are not used in analysis; they used to create analysis variables.

¹This dataset, which serves as the base student population file for all MEDC data, has changed names several times over the years. The data used to be collected through a system called the Single Record Student Database (SRSD). Starting in the 2010 school year, a new system called the Michigan Student Data System (MSDS) was introduced. Currently, MEDC refers to the student enrollment data as K12 Student Demographic and Enrollment Data. Although the intake process has changed somewhat, all contain the same essential information, so I refer to them interchangeably.

MEDC Assessment Data

To measure students' pre-high school academic preparation, I use a student-year level file of standardized test scores. The Assessment file has test scores going back to 1994. I use 7th and 8th grade test scores for the cohorts I study; since they were in 12th grade between 2005 and 2012, they were in 7th grade between 2000 and 2007 and 8th grade between 2001 and 2008. During these years, the state of Michigan administered a standardized test called the Michigan Educational Assessment Program. The test "has been administered to students in grades 3-9, for Math, Reading, Science, Social Studies and Writing English and Language Arts (ELA), though the subjects administered in any given grade have changed over this time" (University of Michigan, 2019). For example, 7th graders took the math assessment in 1994 through 2000 and 2006 through 2013; 8th graders took the math assessment in 2002 though 2013 only. 7th graders took the reading assessment from 1994-2000 and 2002-2013; 8th graders took reading between 2006 and 2013. This means that neither 7th nor 8th grade reading test scores are available for the senior cohort of 2006, who were in 7th grade in 2001. The ELA scores similarly do not fully cover my sample: 7th graders took ELA 2003-2009 and 8th graders 2006-2009, so the classes of 2003 to 2007 are missing ELA scores. For maximum test score coverage, I use math scores. I take a student's 8th grade score if available, and 7th grade if not. I use the standardized scale score, which is standardized within subject, year, and grade. For students who took a given subject-by-grade assessment multiple times, I use their first test.

Key variables derived from Assessment data:

- gr78_math (student-level): Student's score on the 8th or 7th grade MEAP math assessment. 8th grade score is used if available, 7th grade is used if not. Scores are standardized within grade and year. Derived from the variable mathstdss, as well as grade, year, MEAP, and nthtest.
- gr78_math_miss (student-level): An indicator for whether a student is missing a 7th or 8th grade math score.
- avg_gr78_math (school-year level): Average middle school math score of a sophomore cohort. Takes the average of gr78_math within a school and year. For example, for the 12th grade class of 2010 who attended school S, variable takes the average of gr78_math among 10th graders at S in 2008. Students missing test scores are not included in the average. Creation of this variable also uses MSDS data to identify cohorts of students by school.

AP Exam Data

Information on AP exams is not included in the MTS, and comes from a separate data source from AP course-taking. The AP exam file was shared by the College Board and matched to MEDC student ID by name, birthdate, race, gender, and home zip code. The file I use is student-level. It includes subject-specific scores for all AP exam scores taken by Michigan public school students between 2006 and 2013. If a student took a given subject test multiple times, their highest score is reported. Because I measure AP participation in

students' junior and senior year, this covers junior and senior exam-taking for the 2007 through 2012 cohorts I study.

The AP exam dataset contains a variable measuring the number of unique AP subject tests (out of 37 possible) a student took during the 2006-2013 time period. I use this variable with no further cleaning (except setting it to zero for the 2005 and 2006 cohorts). Unlike with the course data, the College Board can measure precisely which exams a student took, so there is no collapsing of subjects. For example, if a student took both micro and macroeconomics exams, that would count as two tests. Table B3 lists the 37 exam subjects.

Key variables derived from AP Exam data:

- num_tests: Number of AP exams a student took, out of 37 possible. Derived from num_tests variable with no further cleaning. Set to zero for students in the 2005 and 2006 senior cohorts.
- any_ap_tests: Indicator for taking any AP exams. Equals 1 if num_tests is greater than zero, equals 0 otherwise.

MEDC School-Level Data

In sensitivity analyses, I include time-varying school-level controls to my empirical specifications. Descriptive statistics for these variables appear in Table 1. All school-level variables (with the exception of average middle school test score) come from the MEDC School-Level dataset, which is a school-year level dataset that measures key characteristics about public schools in Michigan such as physical location and school size. Information is pulled from various state and federal data sources.

I use variables from this dataset with little additional cleaning. For a student in 12th grade in school S in year t, all school-year level variables are from year t-2.

Key variables derived from School-Level data:

- enroll_soph (school-year level): Total school enrollment in a cohort's sophomore year. Derived from the variable enroll. Original source is the Common Core of Data, National Center for Education Statistics. For example, for the 12th grade class of 2010 who attended school S, this variable takes the value of enroll at school S in 2008.
- puptch_soph (school-year level): School pupil-to-teacher ratio in a cohort's sophomore year. Derived from the variable puptch. Original source is the Common Core of Data.
- $pp_tot_instr_exp_soph$ (school-year level): School per-pupil total instructional expenditures in a cohort's sophomore year. Derived from the variable $pp_tot_instr_exp$. Original source is Michigan's Financial Information Database.

• d_unemployment_soph (school-year level): Student-weighted unemployment for the school district the school is in, measured in a cohort's sophomore year. Derived from the variable d_unemployment, which is pulled from the Bureau of Labor Statistics.

National Student Clearinghouse Data (NSC)

The NSC provides information on college enrollment at and degrees awarded by postsecondary institution in the country (with a few exceptions), by term of enrollment and institution. As of 2011, the NSC covered 95 percent of postsecondary institutions in Michigan (Dynarski et al., 2015); it currently covers 98 percent of all students in U.S. institutions (National Student Clearinghouse, 2023). For a detailed description of the NSC and its coverage, see Dynarski et al. (2015).

The NSC data file I use covers postsecondary enrollment for the population of students who attended Michigan public K-12 schools. It covers enrollment between 2000 and 2020. The file is a wide, student-level dataset. For a given student and academic term (e.g., Fall 2010), I observe which institution(s) a student attended (by name and OPEID), whether they attended full-time or part-time, whether the institution is a two- or four-year school, and the school's Barron's classification. The NSC dataset also includes information on degrees: for a given student, the date of each degree received and the type of degree (Bachelor's, Master's, Associate's, etc.)

Any student who does not appear in the NSC data is assigned a value of zero for all enrollment and degree variables.

Key variables derived from NSC data:

- enroll_in1yr (student-level): Indicator for whether a student enrolled in any postsecondary institution in the fall or spring following 12th grade. Derived from the fall_Y_ftX, fall_Y_ltftX, fall_Y_missX, spring_Y_ftX, spring_Y_ltftX, spring_Y_missX variables, where Y indicates an academic year, and X institution. "ft" refers to full-time enrollment, "ltft" to less than full time, and "miss" to unknown status. X ranges from 1 to 20.
- enroll_in1yr_2yr (student-level): Indicator for whether a student enrolled in a postsecondary institution classified by NSC as a two-year institution in the fall or spring following 12th grade. The two- and four-year variables are not mutually exclusive; a student who enrolled in both types would have a 1 for both variables. Derived from the same variables as enroll_in1yr, plus the variable four_yrX, which classifies each institution a student attended as a four- or two-year.
- enroll_in1yr_4yr (student-level): Indicator for whether a student enrolled in a postsecondary institution classified by NSC as a four-year institution in the fall or spring following 12th grade. The two- and four-year variables are not mutually exclusive; a student who enrolled in both types would have a 1 for both variables. Derived from the same variables as enroll_in1yr_2yr.

- enroll_in1yr_compplus (student-level): Indicator for whether a student enrolled in a postsecondary institution classified by Barron's as competitive, very competitive, highly competitive, or most competitive in the fall or spring following 12th grade. Derived from the same variables as enroll_in1yr, plus the variable barronsX, which classifies each institution a student attended into one of six Barron's categories.
- grad_4yrs (student-level): Indicator for whether a student earned a bachelor's degree within four years after expected high school graduation. Derived from the variables degree_D_colX and grad_dateD_X where X refers to institution and D refers to degree. degree_D_colX lists degree title; degrees labeled as B.S., B.A., Bachelor of Business, or Other Bachelor's are coded as bachelor's degrees. If a student graduated high school in year t, they are coded as earning a degree within four years if the degree date is before September of year t + 4.
- $grad_6yrs$ (student-level): Indicator for whether a student earned a bachelor's degree within six years after expected high school graduation. Derived from the same variables as $grad_4yrs$. If a student graduated high school in year t, they are coded as earning a degree within six years if the degree date is before September of year t + 6.

Sample Restrictions

I begin with Michigan public high school students who were in 12th grade between the 2003 and 2012 school years (N=1,291,201 observations, 1,213,107 unique students; recall that the MEDC student-level begin in 2003). I limit the sample to students in one of the 87 high schools covered by the MTS (N=245,953 observations, 244,153 unique students). In cases of duplicate observations (generally due to students repeating grades, N=1,677 unique students), I keep the student's first (earliest) 12th grade observation.

The raw MTS data includes 16,881,239 student-course observations from 87 schools. The raw data includes 415,539 unique students with a valid student ID variable. Coverage drops off in 2013, from around 1.5 million observations per year to only around 300,000. I keep observations between the 2002 and 2012 school years (N= 401,826 unique students).

Of the 244,153 first-time 12th graders in the student level data, I keep those who merge to the transcript data, meaning they appear at least once in the MTS between 2002 and 2012. 189,917 12th graders appear in both datasets. The merge rate is much lower for the 2003 and 2004 cohorts, with only 27 and 45 percent appearing in the transcript data. I keep the 2005 to 2012 cohorts only, for whom the merge rate with the transcript data is 87 percent overall and over 75 percent in any given year. The final sample includes 173,151 unique students who were (first-time) 12th graders between the 2004-05 and 2011-12 academic years.

For heterogeneity analysis by students' middle school test score, I restrict the sample to students with an 8th or 7th grade math score (N = 154,549 students). For analysis of AP exam-taking, I limit the sample to the 2007 through 2012 cohorts (N = 135,272 students).

Description of AP Course Coding

The original high school transcript dataset contains 16,881,239 student-course observations from 87 schools. I dropped any observations without a year (N=9,657) or with a non-sensical year (N=6 observations with a year of 1000). The original transcript study was designed to follow students who entered high school starting in the 2002 school year, so I dropped observations from before 2002 (N=382,507). Coverage drops off in 2013, from around 1.5 million observations per year to only around 300,000, so I also dropped courses from 2013 onward (N=407,312). This leaves 16,081,757 student-course observations between the 2002 and 2012 school years.

Each course has a title, which I used to identify AP courses. I first flagged course titles that included variants of the phrase "AP" or "Advanced Placement." These included the letters "AP" with various combinations of periods and spaces before and after, as well as the phrases "ADV PL," "ADVANCED PL," "ADVANCED PL," "ADVPL," and "AD PL." I excluded course titles that contained matching phrases but which seemed to not be AP, such as "PHOTOGRAP (BEG)" (which contains "AP" followed by a space). I also excluded anything that referred to a "pre-AP" course, or variations of "pre-calculus." This first step resulted in 445,051 student-course observations and 3,267 unique course names flagged as potentially AP.

Among the courses flagged as potentially AP, I classified them into 26 subjects based on course title. For example, if a course title was both (a) flagged as potentially AP and (b) contained the string "ART HIS," it was classified as AP Art History. Certain subjects had many more potential phrases and titles indicating a given subject. Below I list all course titles that are classified as AP, by the subject I coded them as. I was forced to collapse certain AP subjects due to the impossibility of distinguishing by name. For example, I could not always distinguish between the multiple Computer Science offerings, or the multiple Physics offerings. As another example, Microeconomics and Macroeconomics are two distinct subjects, but many schools just listed "AP economics." Appendix Figure B1 summarizes the subjects that were combined.

Classifying AP courses into subjects was done iteratively. I started with more obvious phrases, such as "US HISTORY" and "STATISTICS," then looked at the titles of remaining courses flagged as potentially AP and adding additional phrases (e.g., "AMHST" for American History).

A few AP course subjects have similar names, in particular Computer Science, English Language and Composition, English Literature and Composition, and Comparative Government and Politics, which all include "comp." For courses named "AP COMP" or similar, I cross-checked with the AP exam data. For example, if most students at a given school who took "AP COMP" also took one of the AP Computer Science exams (and did not take an English exam), I classified that course as AP Computer Science.

After classifying most potential AP courses into one of the 26 subjects, I was left with 119 unique course titles (N=1,841 observations) that included some variation of "AP" but

were not an obvious AP subject. Some had generic names with no indicated subject, such as "AP ADV TOPICS" or "ADV PLACEMENT." Some had the phrase "AP" but seemed to be something else, such as "OOC Learning EXP AP" or "S BAS COM AP." Others referred to academic subjects but not specific AP courses (e.g., "MATH ANALYSIS 1AP" or "SOC STUDIES II TT AP"). Since I was not reasonably certain these 119 courses were in fact AP, I did not classify them as such. I test the sensitivity of my main results to this decision by creating a version of the data where these 119 titles are counted as AP.² Doing so increases the number of students taking any AP by 203 (0.12 percentage points) and the average number of APs taken by 0.002. At the school-cohort level, the average number of APs available per cohort increases by 0.2 courses. With this new dataset, I re-estimate the main effects on coursetaking and college outcomes from Tables 2 and 6. The results are in Appendix Tables B4 and B5. Although the course-taking effects are a bit stronger, the magnitudes are similar. The effects on college outcomes are unchanged.

This process resulted in 3,147 unique course titles and 443,209 student-course observations that were classified as AP between 2002 and 2012. A school j was considered to offer an AP course x in a given year t if any student in school j appeared in the transcript data as taking course x in year t.

Table B4: Effect of AP Course Availability on AP Course- and Exam-Taking, Counting Ambiguous Courses as AP

	(1)	(2)	(3)	(4)
	Any AP	# AP	Any AP	# AP
	courses	courses	exams	exams
	taken	taken	taken	taken
# of AP courses available at school in junior and senior year	0.012***	0.035***	0.004**	0.011
	(0.003)	(0.010)	(0.002)	(0.008)
Mean of outcome variable	[0.352]	[0.788]	[0.274]	[0.736]
Kleibergen-Paap Wald F statistic	15.54	12.53	4.76	2.06
Observations	173,151	173,151	135,272	135,272
Cohorts	2005-2012	2005-2012	2007-2012	2007-2012

Notes: p < 0.1, p < 0.05, p < 0.05, p < 0.01. Table reports estimate of p < 0.1 in Equation 1, which regresses student-level college course- and exam-taking on AP course availability. AP availability is measured at the school-by-cohort level, and counts the number of AP courses available to a high school cohort in their junior and senior year. In this analysis, courses originally not coded as AP for having ambiguous course titles are counted as AP, both for the students taking them and the schools offering them. Regressions include school fixed effects, year fixed effects, and school-specific linear time trends. Robust standard errors clustered at the school level are in parentheses.

²I ultimately only use courses from 2004 to 2012. In these years, there were 101 ambiguous course titles. Please see list of AP course titles, below, for the exact course names.

Table B5: Effect of AP Course Availability on College Outcomes, Counting Ambiguous Courses as AP

	(1) Enrolled any college	(2) Enrolled 2-year college	(3) Enrolled 4-year college	(4) Enrolled compet.+ college	(5) Earned BA in 4 years	(6) Earned BA in 6 years
# AP courses available junior and senior year	0.002 (0.002)	-0.001 (0.002)	0.002 (0.002)	0.002 (0.002)	0.001 (0.001)	0.001 (0.001)
Mean of outcome variable	[0.700]	[0.288]	[0.430]	[0.394]	[0.158]	[0.320]
Observations Cohorts			173, 2005-			

Notes: *p < 0.1, **p < 0.05, ***p < 0.01. Table reports estimates of β_1 from Equation 3, which regresses student-level college outcomes on AP course availability. AP availability is measured at the school-by-cohort level, and counts the number of AP courses available to a high school cohort in their junior and senior year. In this analysis, courses originally not coded as AP for having ambiguous course titles are counted as AP. Regressions include school fixed effects, year fixed effects, and school-specific linear time trends. Robust standard errors clustered at the school level are in parentheses. All college outcomes are unconditional on initial enrollment.

List of AP Course Titles, by AP Subject, 2004 to 2012 Academic Years

Art History:

"AP ART HIST", "AP ART HIST 1A", "AP ART HIST 1B", "AP ART HIST S1", "AP ART HISTORY", "AP ART HISTORY", "AP ART HISTORY2", "AP ART HISTORY2", "AP ART HISTORY2", "AP ART HISTORY2", "AP ART HISTORY1", "APX AP ART HISTORY", "ART HIS AP 1", "ART HIS AP 2", "Art History 1 AP", "Art History 2 AP", "GEN NET AP ART HISTORY", "I/S AP ART HISTORY I-A", "INDEPENDENT STUDY-AP ART HISTORY", "L AP ART HISTORY", "MVHS: AP ART HISTORY I-A", "MVHS: AP ART HISTORY I-B", "VHS - AP ART HISTORY B", "VHS-AP ART HISTORY 1"

Biology:

"*AP BIOLOGY", "*AP BIOLOGY 10", "*AP BIOLOGY 1", "*AP BIOLOGY 2", "402275 AP BIOLOGY", "406117 AP BIOLOGY", "A P BIOLOGY", "A P Biology", "A.P. BIOLOGY", "A.P. BIOLOGY LAB", "ADV PL BIOLOGY", "ADV PL BIOLOGY S1", "ADV PL BIOLOGY S2", "ADVANCED PLACEMENT BIOLOGY", "ADVANCED PLACEMENT BIOLOGY A", "ADVANCED PLACEMENT BIOLOGY B", "ADVANCED PLACEMENT BIOLOGY IS", "AP - BIOLOGY", "AP BIO", "AP BIO TI", "AP BIO 1", "AP BIO 2", "AP BIO 2 (HP)", "AP BIO A", "AP BIO B", "AP BIO C", "AP BIO I A", "AP BIO II B", "AP BIO LAB", "AP BIO RETC S1", "AP BIO RETC S2", "AP BIO TEST", "AP BIO WT S1", "AP BIO WT S1 R", "AP BIO WT S1 (R)", "AP BIO WT S2", "AP BIOL AA", "AP BIOL BB", "AP BIOLOGY", "AP BIOLOGY -A", "AP BIOLOGY -B", "AP BIOLOGY -C", "AP BIOLOGY -A", "AP BIOLOGY -B", "AP BIOLOGY -C", "AP BIOLOGY S2", "AP BIOLOGY TI", "AP BIOLOGY 10", "AP BIOLOGY B", "AP BIOLOGY (HONORS CLASS)", "AP BIOLOGY (T)", "AP BIOLOGY 1", "AP BIOLOGY 1A", "AP BIOLOGY 1B", "AP BIOLOGY 2", "AP BIOLOGY A", "AP BIOLOGY A (CRESTWOOD H.S.)", "AP BIOLOGY A-BYU", "AP BIOLOGY AP IA OL", "AP BIOLOGY B", "AP BIOLOGY B-BYU", "AP BIOLOGY C", "AP BIOLOGY LAB", "AP BIOLOGY S1", "AP BIOLOGY S2", "AP BIOLOGY TC", "AP BIOLOGY TI", "AP BIOLOGY WT", "AP BIOLOGY-1", "AP BIOLOGY-1ST SEM.", "AP BIOLOGY-1st Sem.", "AP BIOLOGY-2", "AP BIOLOGY-2ND SEM.", "AP BIOLOGY-2nd Sem.", "AP BIOLOGY-3", "AP BIOLOGY-A", "AP BIOLOGY-B", "AP BIOLOGY-C", "AP BIOLOGY-R", "AP BIOLOGY-S1", "AP BIOLOGY-S2", "AP BIOLOGY-TR", "AP BIOLOGY/TI", "AP Biology", "AP Biology A-BYU", "APX AP BIOLOGY". "BIO AP", "BIOLOGY / AP", "BIOLOGY 1 AP", "BIOLOGY 1 AP T", "BIOLOGY 1AP", "BIOLOGY 2 AP", "BIOLOGY 2 AP T", "BIOLOGY 2 AP TI", "BIOLOGY 2AP", "BIOLOGY A P - T", "BIOLOGY AP", "BIOLOGY AP TI", "BIOLOGY I AP", "BIOLOGY, AP", "Biology AP", "Biology AP 1", "Biology DP AP", "CHARD AP BIO", "D AP BIOLOGY", "D AP BIOLOGY A", "D AP BIOLOGY B", "D AP BIOLOGY C", "DIRECTED STUDY - AP BIOLOGY", "IND-AP BIOLOGY". "KAMSC AP BIO", "KAMSC AP BIOL", "KAMSC AP BIOLOGY", "MSC AP BIOLOGY", "MST AP BIOLOGY", "MVHS AP BIOLOGY", "MVHS: AP BIOLOGY A (H)", "OL AP BIOLOGY", "OL AP BIOLOGY S2", "OLL AP BIO S1(R)", "OLL AP BIOLOGYWT", "OLL APBIO S1 (R)", "ON-LINE AP BIOLOGY", "ONLINE AP BIOLOGY", "SC AP BIOL", "SC BIOLOGYAP", "T - AP BIO LAB", "T -AP BIOLOGY", "T AP BIOLOGY", "TC AP BIOLOGY", "TR ADV PL BIO", "TR AP BIO", "TR AP BIOLOGY", "TR-AP BIOLOGY", "TRANS AP BIOLO", "TRANS AP BIOLOG", "TRAVEL AP BIO A", "TRNS BIO AP", "VH AP BIO", "VH AP BIOL", "VMV AP BIOLOGY", "Y AP BIOLOGY"

Calculus:

"*AP CALCULUS", "*AP CALCULUS 1", "*AP CALCULUS 2", "*AP CALCULUS AB", "*AP CALCULUS", "A P CALCULUS BC", "AP CALCULUS BC", "A P CALCULUS BC", "AP CALCULUS BC", "ADV PL CALCULUS S1", "ADV PL CALCULUS 2S", "ADV PL CALCULUS S1", "ADV PL CALCULUS S2", "ADVANCED PLACEMENT CALC MMSTC A", "ADVANCED PLACEMENT CALCULUS AB", "ADVANCED PLACEMENT CALCULUS A", "ADVANCED PLACEMENT CALCULUS BC", "AP - CALCULUS B", "AP - CALCULUS BC", "AP - CALCULUS BC", "AP - CALCULUS AB", "AP - CALCULUS AB", "AP - CALCULUS BC", "AP CALC -B", "AP CALC -C", "AP CALC TI", "AP CALC I.S.", "AP CALC AA", "AP CALC AB", "AP CALC AB (1)", "AP CALC AB (2)", "AP CALC AB 1B", "AP CALC AB A", "AP CALC AB B", "AP CALC AB B", "AP CALC AB-A", "AP CALC AB A", "AP CALC AB B", "AP CALC AB-A", "AP CALC

AB-B", "AP CALC AB-C", "AP CALC AB1", "AP CALC AB2", "AP CALC B", "AP CALC BB", "AP CALC BC", "AP CALC BC A", "AP CALC BC B", "AP CALC BC A", "AP CALC BC B", "AP CALC BC I A", "AP CALC BC II B", "AP CALC BC-A", "AP CALC BC-B", "AP CALC BC-C", "AP CALC BC/TI", "AP CALC C", "AP CALC E2020", "AP CALC IA", "AP CALC IB", "AP CALC S1", "AP CALC S2", "AP CALC TEST", "AP CALC-1", "AP CALC-2", "AP CALC-3", "AP CALC/TI", "AP CALCAB AA", "AP CALCAB BB", "AP CALCBC AA", "AP CALCBC BB", "AP CALCUL AB", "AP CALCUL BC", "AP CALCULAS", "AP CALCULAS AB", "AP CALCULS", "AP CALCULUS", "AP CALCULUS -A", "AP CALCULUS -B", "AP CALCULUS -C", "AP CALCULUS AB 10", "AP CALCULUS AB AUDIT", "AP CALCULUS (1)", "AP CALCULUS (2)", "AP CALCULUS (3)", "AP CALCULUS (4)", "AP CALCULUS (A)", "AP CALCULUS (B)", "AP CALCULUS (C)", "AP CALCULUS - TR", "AP CALCULUS 1", "AP CALCULUS 1A (MIVHS)", "AP CALCULUS 1B (MIVHS)", "AP CALCULUS 2", "AP CALCULUS A", "AP CALCULUS A/B-S1", "AP CALCULUS A/B-S2", "AP CALCULUS A/T", "AP CALCULUS AB", "AP CALCULUS AB T", "AP CALCULUS AB (audited)", "AP CALCULUS AB 10", "AP CALCULUS AB (A)", "AP CALCULUS AB (B)", "AP CALCULUS AB (C)", "AP CALCULUS AB 1", "AP CALCULUS AB 10", "AP CALCULUS AB 2", "AP CALCULUS AB A", "AP CALCULUS AB B", "AP CALCULUS AB C", "AP CALCULUS AB TI", "AP CALCULUS ACC", "AP CALCULUS B", "AP CALCULUS B/C-S1", "AP CALCULUS B/C-S2", "AP CALCULUS BC", "AP CALCULUS BC T", "AP CALCULUS BC 10", "AP CALCULUS BC (A)", "AP CALCULUS BC (B)", "AP CALCULUS BC (C)", "AP CALCULUS BC 10", "AP CALCULUS BC A", "AP CALCULUS BC B", "AP CALCULUS BC C", "AP CALCULUS BC MIVHS", "AP CALCULUS BC-A (MVHS)", "AP CALCULUS BC-B (MVHS)", "AP CALCULUS BC-C (MVHS)", "AP CALCULUS C", "AP CALCULUS I", "AP CALCULUS I.S.", "AP CALCULUS II", "AP CALCULUS MVU", "AP CALCULUS S1", "AP CALCULUS S2", "AP CALCULUS-1ST SEM.", "AP CALCULUS-1st Sem.", "AP CALCULUS-2ND SEM.", "AP CALCULUS-2nd Sem.", "AP CALCULUS-A", "AP CALCULUS-B", "AP CALCULUS-IND. STUDY", "AP CALCULUS-S1", "AP CALCULUS-S2", "AP CALCULUS-U OF NEBRASKA", "AP CALCULUS/TRA", "AP CALCULUS2", "AP Calc 1Tri", "AP Calculus", "AP Calculus AB", "AP I.S. CALCULUS", "AP MS CALC BC S1", "AP MS CALC BC S2", "ATYP-AP CAL A/B", "ATYP-AP CAL B/C", "AV10-APCALC BC A", "CALC AP", "CALC/AB AP", "CALC/BC AP", "CALCULUS / AP", "CALCULUS 1AP", "CALCULUS 2AP", "CALCULUS AB - AP", "CALCULUS AB, AP", "CALCULUS AB, AP IS", "CALCULUS AP", "CALCULUS AP TI", "CALCULUS BC - AP", "CALCULUS BC, AP", "CALCULUS, AP ABII OL", "CALCULUS-BC AP", "CALUCLUS AP", "Calculus AP", "Calculus AP AB", "Calculus AP AB - do not use", "Calculus AP BC", "Calculus AP BC - do not use", "DS AP CAL AB", "DS AP CALC BC A", "DS AP Cal AB", "E AP CALC", "E AP CALC 3 - I.S.", "E AP CALC WP", "E AP CALC. 1 - IS", "E AP CALC. 2 - IS", "E AP CALC/MMSTC", "E AP CALC/MMSTC A", "E AP CALC/MMSTC B", "E AP CALC/MMSTC C", "E AP CALC/MMSTC-1", "E AP CALC/MMSTC-3", "E AP CALCULUS", "E AP CALCULUS 1", "E AP CALCULUS 2", "E AP CALCULUS A", "E AP CALCULUS B", "E AP CALCULUS C", "E AP CALCULUS II", "E AP CALCULUS III", "E AP CALCULUS-1", "E AP CALCULUS-2", "E AP CALCULUS-3", "E APCALCULUS", "E IS AP CALCU", "E IS AP CALCULUS", "E IS AP CALCULUS A", "GEN-AP CALC", "IND-AP CALCULUS", "IS AP CALCULUS", "KAMSC AP CAL BC", "KAMSC AP CALC", "KAMSC AP CALCULUS AB", "KAMSC AP CALCULUS BC", "KAMSC APCALC AB", "KAMSC APCALC BC", "KAMSC-AP CAL AB", "KAMSC-AP CAL BC", "M AP CALC", "M AP CALC 12", "M HON AP CALC", "MA AP CALCAB", "MA AP CALCBC", "MIVHS AP CAL AB", "MS AP CALCULUS", "MS AP Calculus", "MS/AP CALC AB", "MS/AP CALC BC", "MS:AP CALCULUS", "MSC AP CALC", "MSC AP CALCULUS", "MST AP CALC", "MST AP CALC 1", "MST AP CALC 2", "MST AP CALC AB", "MST AP CALCULUS", "MST AP CLAC", "MST AP Calc", "MVHS CALC AB AP", "MVHS CALCAB AP", "MVHS-AP B/C CALCULUS", "MVHS-AP CALCULUS", "MVHS-AP CALCULUS/BC", "MVS/AP CALC BC", "Ms AP Calculus", "OL AP CALCULUS", "OL AP CALCULUS S2", "ONLINE AP CALCBC", "ONLINE AP CALCULUS", "ONLINE AP CALCULUS-BC", "TC AP CALCULUS", "TR AP CALC AB", "TR AP CALC BC", "TR AP CALCULUS AB", "TR AP CLACULUS AB", "TR APCALC AB", "TR V AP CALCULS", "TR- AP CALC C", "TR- AP CALC A", "TR- AP CALC B", "TR- AP CALCULUS", "TR-AP CALCULUS", "TRANS/AP CALC", "TVL AP CALC BCA", "TVL AP CALC BCB", "TVL AP CALC BCC", "W E AP CALC", "Y AP CALCULUS"

Chemistry:

**AP CHEM 10", "*AP CHEM 1", "*AP CHEM 2", "*AP CHEMISTRY", "A P CHEMISTRY", "A P CHEMISTRY -A", "A P CHEMISTRY -B", "A P CHEMISTRY -C", "A.P. CHEM 1", "A.P. CHEM 2", "A.P. CHEMISTRY", "A.P.CHEM. 1", "A.P.CHEM. 2", "ADV PL CHEMISTRY", "ADV PL CHEMISTRY S1", "ADVANCED PLACEMENT CHEMISTRY", "ADVANCED PLACEMENT CHEMISTRY 2", "AP - CHEMISTRY", "AP ADV CHEM", "AP BIO/CHEM LAB", "AP CHEM", "AP CHEM 10", "AP CHEM - 1", "AP CHEM - 2", "AP CHEM 1", "AP CHEM 12 S1", "AP CHEM 12 S2", "AP CHEM 2", "AP CHEM 2/3", "AP CHEM 3", "AP CHEM A", "AP CHEM AA", "AP CHEM AA *R*", "AP CHEM B", "AP CHEM BB", "AP CHEM C", "AP CHEM II", "AP CHEM S1", "AP CHEM S2", "AP CHEM TEST", "AP CHEM TI", "AP CHEM WT", "AP CHEM-1", "AP CHEM-2", "AP CHEM-3", "AP CHEM-TR", "AP CHEM/TI", "AP CHEMIST A", "AP CHEMIST B", "AP CHEMIST C", "AP CHEMISTRY", "AP CHEMISTRY -A", "AP CHEMISTRY -B", "AP CHEMISTRY -C", "AP CHEMISTRY T", "AP CHEMISTRY (MVHS)", "AP CHEMISTRY S1", "AP CHEMISTRY (1", "AP CHEMISTRY (2", "AP CHEMISTRY (3", "AP CHEMISTRY (4", "AP CHEMISTRY - OL", "AP CHEMISTRY - TR", "AP CHEMISTRY 1", "AP CHEMISTRY 1/2", "AP CHEMISTRY 1A", "AP CHEMISTRY 1A1", "AP CHEMISTRY 1B", "AP CHEMISTRY 1B1", "AP CHEMISTRY 2", "AP CHEMISTRY 4", "AP CHEMISTRY A", "AP CHEMISTRY A ", "AP CHEMISTRY B", "AP CHEMISTRY C", "AP CHEMISTRY S1", "AP CHEMISTRY S2", "AP CHEMISTRY TI", "AP CHEMISTRY WT", "AP CHEMISTRY-A", "AP CHEMISTRY-B", "AP CHEMISTRY-C", "AP CHEMISTRY/TI", "AP CHEMISTRY/TR", "AP CHEMSTY A", "AP CHEMSTY B", "AP Chemistry", "AP INORGANIC CHEM", "AP INORGNC CHEM I.S.", "APCHEM WT S1", "APCHEM WT S2", "CHEM AP 12 S2", "CHEM LAB AP", "CHEM LAB AP S1", "CHEM LAB AP S2", "CHEMISTRY &LAB AP", "CHEMISTRY / AP", "CHEMISTRY 1AP", "CHEMISTRY 2 AP", "CHEMISTRY 2AP", "CHEMISTRY AP", "CHEMISTRY AP 1S", "CHEMISTRY AP 2S", "CHEMISTRY AP S1", "CHEMISTRY AP S2", "CHEMISTRY AP T", "CHEMISTRY AP TI", "CHEMISTRY LAB, AP", "CHEMISTRY&LAB AP", "CHEMISTRY, AP", "Chemistry 1 AP", "Chemistry 1 AP Sem 2", "Chemistry 2 AP", "Chemistry AP", "D AP CHEM", "D AP CHEM C", "D AP CHEM CD", "D AP CHEM.", "D AP CHEMISTRY", "D AP CHEMISTRY A", "D AP CHEMISTRY B", "D AP CHEMISTRY C", "D AP CHEMISTRY-1", "D AP CHEMISTRY-2", "D AP CHEMISTRY-3", "DIR STDY: AP CHEM WORK", "ILP: AP CHEMISTRY", "IND - AP CHEMISTRY", "JST AP CHEMISTRY", "KAMSC AP CHEM", "KAMSC AP CHEMISTRY", "MS CHEM AP", "MS CHEM AP S1", "MS CHEM AP S2", "MSC AP CHEM", "MSC AP CHEM.", "MST AP CHEM", "MST AP CHEMISTRY", "OL: AP CHEMISTRY", "SC AP CHEM", "T - AP CHEMISTR", "T- CHEMISTRY AP", "TR AP CHEM", "TR AP CHEM AA", "TR AP CHEM BB", "TR AP CHEMISTRY", "TR SC AP CHEMIST", "TR-AP CHEMISTRY", "TRANS AP CHEM", "TRANS/AP CHEM", "TRNS AP CHEM", "TRNS AP CHEMSTRY", "V VMV AP CHEM", "VHS - AP CHEM", "VHS-AP CHEM", "VHS-AP CHEMISTRY 1", "VHS-AP Chem", "VHS-AP Chemistry", "VMV AP CHEM 1A", "VMV AP CHEMISTRY", "Y AP CHEMISTRY"

Chinese:

"CHINESE AP CR", "TR-AP CHINESE"

Comparative Government and Politics:

"AP CMP GOV/POL", "AP COM GOV-1", "AP COMP POL", "AP COMP GOV", "AP COMP GOV/PO", "AP COMP GOV/POL", "AP COMP GOVT", "AP COMP GOVT 05", "AP COMP GOVT B", "AP COMPARATIVE GOV'T C", "AP COMPARE GOVERN", "C AP COMP GOVT/POLITICS", "COMP GOVT AP", "IND STDY/ AP COMP GOVT", "IND STUDY (AP COMP GOV)", "IS/AP CMP GV/PO", "IS/AP COMP GOV", "TR/TR AP COMPERATIVE POLITICS"

Computer Science:

"*AP COMP 1", "*AP COMP 2", "*AP COMP SCI JAVA", "ADVANCED PLACEMENT COMPUTER SCIENCE", "AP CMPSCI A A", "AP CMPSCI A B", "AP CMPSCI A IIB", "AP CMPSCI AB A", "AP CMPSCI AB B", "AP CMPT'R SCIENCE/TI", "AP CMPTR SC MVHS", "AP COMP PROG (MVHS)", "AP COMP SC A 1A", "AP COMP SC A 1B", "AP COMP SC A IA", "AP COMP SCI", "AP COMP SCI A", "AP COMP SCI B", "AP COMP SCI HOME", "AP COMP SCI1", "AP COMP SCI2", "AP COMP SCIA", "AP COMP SCIB", "AP COMPUTER PROGRAMMING", "AP COMPUTER

SCI", "AP COMPUTER SCI (IS)", "AP COMPUTER SCI PART 1", "AP COMPUTER SCIENCE", "AP COMPUTER SCIENCE 1A OL", "AP COMPUTER SCIENCE 1B OL", "AP COMPUTER SCIENCE A", "AP COMPUTER SCIENCE AP IA OL", "AP COMPUTER SCIENCE B", "AP COMPUTER SCIENCE C", "AP COMPUTER WT", "AP CPSCI AA", "AP CPSCI BB", "AP CPT SCI WT", "AP JAVA STUDIES S2 05", "AP MS CMP SCI S1", "AP MS CMP SCI S2", "AP MS CP SCI 12 S1", "APCOMPSCI S2", "APCOMPSCIHS1", "BUSINESS COMPUTER AP", "CCSS/COMPUTER AP", "CMP SCI JAVA AP", "COLLEGE AP COMPUTER SCIENCE-MVU", "COMP SCIENCE 1AP", "COMP SCIENCE 2AP", "COMPUTER AP 1", "COMPUTER AP I", "COMPUTER EAP RD", "COMPUTER SCI AP", "COMPUTER SCIENCE - AP", "COMPUTER SCIENCE AP", "COMPUTER SCIENCE AP IB OL", "E AP C++ COMPUTER PROGRAM", "ER AP COMP SCI", "G COMPUTER AP", "GEN NET AP COMPUTER SCIENCE", "GENNET AP COMPUTER SCIENCE", "INTM.COMPUTER AP", "JAVA/AP PROGRAMMING", "KAMSC AP COMPUTER SCIENCE", "KAMSC APCOM SCI", "MICROCOMPUTER AP", "MS AP CMP SCI S1", "MS AP CMP SCI S2", "MS AP COMPUTER SCIENCE S1", "MS AP COMPUTER SCIENCE S2", "MS CMP SCI JAVA AP", "MS JAVA AP", "MSC AP COMPUTER", "MVHS APCOMPTRSCI", "MVHS COMP SCI AP", "MVHS COMPSCI AP", "MVHS-AP COMPUTER SCIENCE", "OL AP COMPUTER SCI", "ONLINE AP COMPUTER SCIENCE", "T - COMPUTER AP", "T-COMPUTER AP", "TC COMPUTER AP", "TR AP COMPUTER", "TR COMPUTER AP", "TR COMPUTER AP I", "TR-COMPUTERS AP", "V AP COMP PRG 2", "V AP COMP SCIENC", "V AP COMPSCI", "VHS - AP COMPUTER SCIENCE B", "VHS-AP COMPUTER SCI-A1", "VHS-AP Comp. Science", "VHS-AP Comp.Sci.A"

Economics:

"AP MACROECONOMICS", "AP MICROECONOMICS", "0 HR AP MICR", "AM ECONOMICS AP", "AP ECOMONICS A", "AP ECON", "AP ECON HOME SCH", "AP ECON MACRO", "AP ECON MICRO", "AP ECON MICRO & MACRO TI", "AP ECON-1", "AP ECON-2", "AP ECON-3", "AP ECONOMICS", "AP ECONOMICS -A", "AP ECONOMICS -B", "AP ECONOMICS A", "AP ECONOMICS B", "AP ECONOMICS C", "AP ECONOMICS S1", "AP ECONOMICS S2", "AP ECONOMICS TI", "AP ECONOMICS-R", "AP M/M ECON1", "AP M/M ECON2", "AP M/M ECON3", "AP MA ECO 05", "AP MACRO ECO", "AP MACRO ECON", "AP MACRO ECON TI", "AP MACRO ECON.", "AP MACRO ECON. TI", "AP MACRO ECONOMICS", "AP MACRO ECONOMICS/TI", "AP MACROECON", "AP MACROECON (MVHS)", "AP MACROECON 05", "AP MACROECON (MVHS)", "AP MACROECON A (MVHS)", "AP MACROECON B (MVHS)", "AP MACROECON TI", "AP MACROECONOMICS", "AP MACROECONOMICS (IS)", "AP MACROECONOMICS (MVHS)", "AP MACROECONOMICS C", "AP MACROECONOMICS MIVHS", "AP MACROECONOMICS OL", "AP MACROECONOMICS-A", "AP MACROECONOMICS-B", "AP MIC ECO05", "AP MIC ECON 05", "AP MICRO ECON", "AP MICRO ECONOMICS", "AP MICRO ECONOMICS AVENTA", "AP MICRO ECONOMICS AVENTA", "AP MICRO ECONOMICS T AVENTA", "AP MICRO ECONOMICS - TR", "AP MICROECON", "AP MICROECON 05", "AP MICROECON - MI VIRT HS", "AP MICROECON 05", "AP MICROECONOMICS", "AP MICROECONOMICS A", "AP MICROECONOMICS B", "AP MICROECONOMICS OL", "AP MICROECONOMICS-A", "AP MICROECONOMICS-B", "AP Macroecon", "APEX APMICROECWT", "APMACRECN WT", "APMACRECN1WT", "APMACRECN1WT (R)", "APMICRECN WT", "APMICRECN2WT", "APMICRECN2WT (R)", "APMICRECON WT(R)", "APX AP MAECO", "APX AP MIECO", "C AP ECONOMICS", "C AP MACRO ECON", "C AP MACROECONOM", "C AP MICROECON", "DS AP ECON", "DS AP ECON B", "DS AP MIC ECN A", "ECON MA AP", "ECONOMICS 2AP", "ECONOMICS AP", "ECONOMICS AP CR", "ECONOMICS AP TI", "I.S. AP MACRO", "IND STUDY S2 (AP Macro Econ)", "ISAP ECON S2", "MACROECON AP", "MACROECONOMICS, AP", "MICHVIRT- AP MICROECONOMICS", "MICHVIRT-AP MACROECONOMICS", "MICRO ECON AP", "MICROECONOMICS AP", "MICROECONOMICS AP ", "MV AP MACROECON", "MV AP MACROECONO", "MV AP MICROECON", "MVHS AP MACROECON", "MVHS/AP MACROEC", "MVHS/AP MICROEC", "OL AP MACRO ECON", "ON-LINE AP MACROECONOMICS", "ON-LINE AP MICROECONOMICS", "ONLINE AP ECONOMICS", "SS AP MIECON", "TC AP MAC ECONO", "TR AP MACROECON", "TR AP MAECON", "TR AP MICRO ECO", "TR AP MICRO/MAC", "TR AP MICROECONOMICS", "V AP

MIECON", "V SS AP MACROECO", "V SS AP MICROECO", "V SS APMACEC", "VHS AP MACRO ECONOMICS", "VHS AP MICROECONOMICS", "VHS-AP MICROECONOMICS", "VHS-AP MACROECON", "VMV AP MACROECON", "VMV AP MICROECON"

**AP ENG LANG & COMP 10", "*AP ENGLISH", "*AP ENGLISH 1", "*AP ENGLISH 2", "*AP ENGLISH LITERATURE", "11 ENGLISH AP", "12 AP ENGLISH A", "12 AP ENGLISH B", "12 AP ENGLISH C", "12 ENGLISH AP", "402275 AP COLLEGE ENG", "402275 AP ENG LIT/COMP", "A P ENGLISH", "A P LIT/COMP", "A P Lit/Comp", "A.P. ENGLISH LIT & COMP", "A.P. ENGLISH LIT. & COMP.", "A.P. LANG & COMP.", "A.P. LANG & COMP", "A.P. LANGUAGE AND COMPOSITION", "ADV PL ENG/LANG COMP T", "ADV PL ENGLISH", "ADV PL ENGLISH 1S", "ADV PL ENGLISH 2S", "ADV PL ENGLISH S1", "ADV PL ENGLISH S2", "ADV PL LAN & COMP", "ADV PL LIT & COMP", "ADVANCED PLACEMENT LANGUAGE & COMP B IS", "ADVANCED PLACEMENT ENGLISH LANGUAGE/COMP", "ADVANCED PLACEMENT ENGLISH LITERATURE AN", "ADVANCED PLACEMENT LANGUAGE COMP A", "ADVANCED PLACEMENT LANGUAGE COMP B", "ADVANCED PLACEMENT LITERATURE A", "ADVANCED PLACEMENT LITERATURE B", "AHILL AP LIT TI", "AHILL AP LIT10TI", "AM LIT/ENG LANG COMP AP H T", "AMER LITERATURE- AP TR", "AP - ELA 10", "AP - ELA 11", "AP - ENG LANG.COMP - TR", "AP - LANGUAGE & COMP", "AP - LANGUAGE & COMP A", "AP -LANGUAGE & COMP B", "AP - LANGUAGE & COMPOSITION", "AP - LITERATURE & COMP.", "AP 11 LANG/COMP", "AP 12 LIT/COMP", "AP AM LIT S1", "AP AM LIT S2", "AP AMER LIT", "AP AMERICAN LIT", "AP AMERICAN LIT. -A", "AP AMERICAN LIT. -B", "AP BRITISH LIT", "AP BRITISH LIT -A", "AP BRITISH LIT -B", "AP COL.ENG. (1)", "AP COL.ENG. (2)", "AP COL.ENG. (3)", "AP COL.ENG. (4)", "AP COLL ENGLISH", "AP COLLEGE ENG", "AP COMP & LI", "AP COMP 1", "AP COMP 2", "AP COMP 3", "AP COMP 4", "AP COMP A", "AP COMP B", "AP COMP C", "AP COMPOSITION", "AP Comp & Lit - MV", "AP EN LANG A", "AP EN LANG B", "AP EN LANG C", "AP ENG", "AP ENG LIT B IS ", "AP ENG (MVHS)", "AP ENG /IT/COMP", "AP ENG 1", "AP ENG 1-2", "AP ENG 11", "AP ENG 11-1", "AP ENG 11-2", "AP ENG 12", "AP ENG 12 A", "AP ENG 12 B", "AP ENG 12-1", "AP ENG 12-1 A", "AP ENG 12-1 B", "AP ENG 12-1 I A", "AP ENG 12-2", "AP ENG 12A", "AP ENG 12B", "AP ENG A", "AP ENG A/B", "AP ENG B", "AP ENG C L A", "AP ENG C L B", "AP ENG C L C", "AP ENG C/L A", "AP ENG C/L B", "AP ENG C/L C", "AP ENG COMP/TI", "AP ENG COMPTI", "AP ENG III", "AP ENG LAN/CMP", "AP ENG LAN/COMP", "AP ENG LANG", "AP ENG LANG S1", "AP ENG LANG & C", "AP ENG LANG & COMP", "AP ENG LANG & COMP 10", "AP ENG LANG & COMP 10", "AP ENG LANG & LIT", "AP ENG LANG (1)", "AP ENG LANG (2)", "AP ENG LANG A", "AP ENG LANG B", "AP ENG LANG COMP A", "AP ENG LANG COMP-LINCOLN PARK", "AP ENG LANG WT", "AP ENG LANG&COMP-LINCOLN PARK", "AP ENG LANG/COM", "AP ENG LANG/COMP", "AP ENG LANGUAGE (T)", "AP ENG LIT", "AP ENG LIT T1", "AP ENG LIT TI", "AP ENG LIT A", "AP ENG LIT B", "AP ENG LIT & COMP", "AP ENG LIT & COMP 10", "AP ENG LIT & COMP A", "AP ENG LIT (1)", "AP ENG LIT (2)", "AP ENG LIT A", "AP ENG LIT A IS", "AP ENG LIT B", "AP ENG LIT C", "AP ENG LIT C IS", "AP ENG LIT I.S.", "AP ENG LIT&COMP", "AP ENG LIT/CMP", "AP ENG LIT/COM", "AP ENG LIT/COMP", "AP ENG LITERATURE", "AP ENG LITS1", "AP ENG LITS2", "AP ENG LN/CM 1A", "AP ENG LN/CM 1B", "AP ENG LNG CMP S1", "AP ENG LNG CMP S2", "AP ENG LNG/COM", "AP ENG LNGS1", "AP ENG LNGS2", "AP ENG TEST", "AP ENG WT S1", "AP ENG WT S2", "AP ENG-LIT", "AP ENG-LIT", "AP ENG-LIT/COMP", "AP ENG. LANG/COMP 1", "AP ENG. LIT", "AP ENG.-LAN/COM", "AP ENG.LANG.& COMP.A", "AP ENG.LANG.& COMP.B", "AP ENG.LIT.& COMP. A", "AP ENG.LIT.& COMP. B", "AP ENGL 11", "AP ENGL 12", "AP ENGLISH", "AP ENGLISH WT", "AP ENGLISH (IS)", "AP ENGLISH (MVHS)" "AP ENGLISH - TR", "AP ENGLISH 1", "AP ENGLISH 11", "AP ENGLISH 11/TI", "AP ENGLISH 11A", "AP ENGLISH 12", "AP ENGLISH 12A", "AP ENGLISH 2", "AP ENGLISH 3/TI", "AP ENGLISH 5", "AP ENGLISH 6", "AP ENGLISH 9", "AP ENGLISH 9 - TR", "AP ENGLISH A", "AP ENGLISH B", "AP ENGLISH C", "AP ENGLISH COMP", "AP ENGLISH COMP-1ST SEM.", "AP ENGLISH COMP-1st Sem.", "AP ENGLISH COMP-2ND SEM.", "AP ENGLISH COMP-2nd Sem.", "AP ENGLISH COMP-S1", "AP ENGLISH COMP-S2", "AP ENGLISH LANG", "AP ENGLISH LANG & CO", "AP ENGLISH LANG & COMP A", "AP ENGLISH LANG & COMP B", "AP ENGLISH LANG &

COMP C", "AP ENGLISH LANG & COMPOSITION", "AP ENGLISH LANG & COMPOSITION-A", "AP ENGLISH LANG & COMPOSITION-B", "AP ENGLISH LANG - TR", "AP ENGLISH LANG COMP - TR", "AP ENGLISH LANG/COMP A", "AP ENGLISH LANG/COMP B", "AP ENGLISH LANG/COMP C", "AP ENGLISH LANGUAGE", "AP ENGLISH LANGUAGE & COMP. B", "AP ENGLISH LANGUAGE & COMP. A", "AP ENGLISH LANGUAGE & COMP. B", "AP ENGLISH LANGUAGE & COMPOSITION A", "AP ENGLISH LANGUAGE & COMPOSITION B", "AP ENGLISH LANGUAGE A", "AP ENGLISH LANGUAGE AND COMP.", "AP ENGLISH LANGUAGE B", "AP ENGLISH LANGUAGE C", "AP ENGLISH LANGUAGE/COMP", "AP ENGLISH LANGUAGE/COMP A", "AP ENGLISH LANGUAGE/COMP B", "AP ENGLISH LIT", "AP ENGLISH LIT & COMP A", "AP ENGLISH LIT & COMP B", "AP ENGLISH LIT & COMP C", "AP ENGLISH LIT (IS)", "AP ENGLISH LIT A", "AP ENGLISH LIT AND COMP", "AP ENGLISH LIT AND COMP 12A", "AP ENGLISH LIT AND COMP 12B", "AP ENGLISH LIT AND COMP 12C", "AP ENGLISH LIT B", "AP ENGLISH LIT C", "AP ENGLISH LIT-1ST SEM.", "AP ENGLISH LIT-1st Sem.", "AP ENGLISH LIT-2ND SEM.", "AP ENGLISH LIT-2nd Sem.", "AP ENGLISH LIT-S1", "AP ENGLISH LIT-S2", "AP ENGLISH LIT. & COMP. A", "AP ENGLISH LIT. & COMP. B", "AP ENGLISH LIT/TI", "AP ENGLISH LITERATURE", "AP ENGLISH LITERATURE & COMP", "AP ENGLISH LITERATURE & COMP-A", "AP ENGLISH LITERATURE & COMP-B", "AP ENGLISH LITERATURE & COMPOSITION A", "AP ENGLISH LITERATURE & COMPOSITION B", "AP ENGLISH LITERATURE AND COMP A", "AP ENGLISH LITERATURE AND COMP B", "AP ENGLISH LITERATURE AND COMP A", "AP ENGLISH LITERATURE AND COMP B", "AP ENGLISH LITERATURE AND COMP.", "AP ENGLISH LITERATURE-R", "AP ENGLISH MVHS", "AP ENGLISH TC", "AP ENGLISH TI", "AP ENGLISH WT", "AP ENGLISH/COMP", "AP ENGLISH/TI", "AP ENGLISH: LANGUAGE & COMP A", "AP ENGLISH: LANGUAGE & COMP B", "AP ENGLISH: LANGUAGE & COMP C", "AP ENGLISH:LITERATURE & COMP A", "AP ENGLISH:LITERATURE & COMP B", "AP ENGLISH:LITERATURE & COMP C", "AP ENGLIT AA", "AP ENGLIT BB", "AP ENGLNG AA", "AP ENGLNG BB", "AP Eng Lit&Comp", "AP English", "AP HNR ENG A", "AP HNR ENG B", "AP JUNIOR ENGLISH", "AP JUNIOR ENGLISH T", "AP JUNIOR ENGLISH T", "AP LANG & COMP 11 A", "AP LANG & COMP", "AP LANG & COMPOSITION", "AP LANG & LIT - TR", "AP LANG - TR", "AP LANG 11 A", "AP LANG 11 B", "AP LANG 11 C", "AP LANG AND COMP", "AP LANG ART T", "AP LANG COMP", "AP LANG COMP GF", "AP LANG COMP-B", "AP LANG-1", "AP LANG-2", "AP LANG-3", "AP LANG. & COMP. - TR", "AP LANG. & COMPOSITION", "AP LANG/ COMP", "AP LANG/AMERICAN PERSP", "AP LANG/CMP1", "AP LANG/CMP2", "AP LANG/COMP", "AP LANG/COMP T1", "AP LANG/COMP A", "AP LANG/COMP S1", "AP LANG/COMP S2", "AP LANG/COMP-A", "AP LANG/COMP-B", "AP LANG/COMP/TI", "AP LANGUAG-1", "AP LANGUAG-2", "AP LANGUAG-3", "AP LANGUAGE", "AP LANGUAGE 11", "AP LANGUAGE AND COMPOSITION", "AP LANGUAGE AND COMPOSITION-R", "AP LANGUAGE COMP/TI", "AP LIT", "AP LIT & COMP", "AP LIT & COMP (MVHS)", "AP LIT & COMP 12A (H)", "AP LIT & COMP 12B (H)", "AP LIT & COMP 12C (H)", "AP LIT & COMP-A", "AP LIT & COMP-B", "AP LIT & COMPOSITION", "AP LIT /COMP A", "AP LIT /COMP B", "AP LIT 1", "AP LIT 12 A", "AP LIT 12 B", "AP LIT 12 C", "AP LIT 2", "AP LIT AND COMP", "AP LIT COMP", "AP LIT-1", "AP LIT-2", "AP LIT-3", "AP LIT/COMP", "AP LIT/COMP S1", "AP LIT/COMP S2", "AP LIT/COMP-A", "AP LIT/COMP-B", "AP LIT/COMP1", "AP LIT/COMP2", "AP LIT/COMS2", "AP LITER/COMP", "AP LITERAT-1", "AP LITERAT-2", "AP LITERAT-3", "AP LITERATURE", "AP LITERATURE & COMP B", "AP LITERATURE & COMP", "AP LITERATURE & COMP A", "AP LITERATURE & COMP C", "AP LITERATURE & COMPOSITION", "AP LITERATURE & COMPOSITION A", "AP LITERATURE & COMPOSITION B", "AP LITERATURE 1", "AP LITERATURE 2", "AP LITERATURE A", "AP LITERATURE A-MVHS", "AP LITERATURE A-MVHS-R", "AP LITERATURE AND COMPOSITION", "AP LITERATURE B", "AP LITERATURE B-MVHS", "AP LITERATURE C", "AP LITERATURE INDEP STUDY", "AP LITERATURE.COMP A", "AP LITERATURE.COMP B", "AP LITERATURE/TI", "AP LNG/COMS2", "AP LONG/COMP", "AP Language & Composition", "AP Literature", "AP Literature 1", "AP Literature 2", "AP SENIOR ENGLISH", "APENG LANG/COMP TI", "APENG LIT/COMP", "APENGLANWTS1", "APENGLANWTS2", "APENGLITWTS1", "APENGLITWTS2", "APHS AP LANG", "APHS/APLANG+COMP", "APLAN/AMLIT",

"APLAN/AMLITS1", "APX AP ENGLC", "APX AP ENGLISH C", "APX AP ENGLT", "ATYP - AP LANG", "ATYP - AP LIT", "ATYP AP COL ENG", "ATYP AP ENG A", "ATYP AP ENG B", "ATYP AP ENG LAN", "ATYP AP ENG LIT", "ATYP AP ENGLISH A", "ATYP AP ENGLISH B", "ATYP AP ENGLISH LANG & COMP", "ATYP AP ENGLISH LANG/COMP", "ATYP AP ENGLISH LIT & COMP", "ATYP AP ENGLISH LIT/COMP", "ATYP AP LANG", "ATYP-AP LIT", "B AP ENG 12", "B AP E LIT 1", "B AP E LIT 2", "B AP E LNG 1", "B AP E LNG 2", "B AP ENG", "B AP ENG 10", "B AP ENG 11", "B AP ENG 11 A", "B AP ENG 11 B", "B AP ENG 12", "B AP ENG 9", "B AP ENG LAN", "B AP ENG LIT", "B AP ENG. - 1 I.S.", "B AP ENG. - 2 I.S.", "B AP ENG.-I.S.-3", "B AP ENGLISH", "B AP ENGLISH 11", "B AP ENGLISH 11C", "B AP ENGLISH 11D", "B AP ENGLISH-1", "B AP ENGLISH-2", "B AP ENGLISH-3", "B AP LANG/COMP A", "B AP LANG/COMP B", "B AP LANG/COMP C", "B AP LITERATURE A", "B AP LITERATURE B", "B AP LITERATURE C", "CA/ENG 3 AP", "CA/ENGLISH 3 AP", "CHAVEZ AP ENG", "CHS AP LANGUAG-1", "CHS AP LANGUAG-2", "CHS AP LANGUAG-3", "COMP AP I/II", "COMP AP II", "CSAP ENG 9", "DrStd AP Lit", "E AP ENG 11 CD", "EN AP ENGLAN", "EN AP ENGLIT", "ENCOMP12-1AP", "ENCOMP12-2AP", "ENG LA/LC AP", "ENG LANG/COMP AP", "ENG LIT AP TI", "ENG LIT COMP AP S1", "ENG LIT COMP AP S2", "ENG LIT/COMP AP", "ENG LNG/COMP AP", "ENGLISH / AP", "ENGLISH 10 - AP", "ENGLISH 11 AP", "ENGLISH 12 AP", "ENGLISH 5 AP", "ENGLISH 5AP", "ENGLISH 6 AP", "ENGLISH 6AP", "ENGLISH 7 AP", "ENGLISH 8 AP", "ENGLISH AP 1", "ENGLISH AP 2", "ENGLISH AP TI", "ENGLISH III AP", "ENGLISH LANG COMPOSITION AP IA OL", "ENGLISH LANG COMPOSITION AP IB OL", "ENGLISH LANGUAGE AND COMP AP (11)", "ENGLISH LANGUAGE AND COMP AP (11) IS", "ENGLISH LIT & COMP AP A", "ENGLISH LIT AP TI", "ENGLISH LIT COMPOSITION AP IA OL", "ENGLISH LIT COMPOSITION AP IB OL", "ENGLISH LITERATURE AND COMP AP (12)", "English Language Arts 11 AP", "English Language Arts 11 AP Sem1", "English Language Arts 11 AP Sem2", "English Language Arts 12 AP", "English Lit. & Composition 12 AP", "G AP ENG 11", "GENNET AP ENGLISH LANGUAGE A", "GLHS MVU - AP LANG AND COMP", "I/S AP LIT", "IND STUDY AP LIT", "IND-AP ENG LITERATURE", "IS AP ENG 12", "IS/AP ENGLSH 12", "LANG/COMP AP", "LAP ENG GR 9", "LAPEERE AP ENG11", "MVHS AP ENGLISH 1", "MVHS AP ENGLISH 2", "MVHS ENG COMP AP", "MVHS LIT AP", "MVHS LIT/COMP AP", "MVHS-AP ENG. COMP", "MVHS-AP LIT", "MVHS: AP ENG LANG & COMP I-A", "OL AP COMPOSITION", "OL AP ENG LIT/COMP", "OL ENGLISH AP", "ONLINE AP ENGLISH LIT.", "ONLINE AP LITERATURE", "PSJA AP ENG", "SR AP ENG A", "SR AP ENG B", "SR AP ENGLSH", "T - AP ENG LANG", "T - AP ENGL 12", "T - AP ENGL COM", "T - AP LANG & C", "T - AP LANGUAGE", "T- AP ENGLISH L", "T- AP ENGLISH-L", "T- AP LANG/COMP", "T-AP LANG COMP", "T-AP LIT/COMPOSE", "TC AP ENGLISH L", "TC AP LANG/COMP", "TO-AP ENGLISH & COMP", "TR A.P. LANG/COMP", "TR AP ENGLISH 11A", "TR AP BRIT LIT", "TR AP COMP/LANG", "TR AP COMPOSITI", "TR AP ENG", "TR AP ENG COMP", "TR AP ENG LANG", "TR AP ENG LIT/CO", "TR AP ENG LNG A", "TR AP ENGL LANG", "TR AP ENGL3A", "TR AP ENGL3B", "TR AP ENGLAN", "TR AP ENGLANG", "TR AP ENGLISH", "TR AP ENGLISH A", "TR AP ENGLISH B", "TR AP ENGLISH LANG COMP", "TR AP ENGLIT", "TR AP LANG & COMP 10", "TR AP LIT", "TR AP LIT ANAL/COMP II", "TR AP LIT AND C", "TR AP LITERATUR", "TR BRITISH COMP AP", "TR EN AP ENG LAN", "TR ENG LANG & COMP - AP", "TR ENGLISH III AP", "TR ENGLISH IIII AP", "TR V APLIT/CMPS2", "TR VAPLANG/CMPS1", "TR VAPLANG/CMPS2", "TR*AP ENG LITERATURE & COMP", "TR- AP ENGLISH", "TR-AP ENG LANG/COMP", "TR-AP ENG/LANG COM", "TR-AP ENG/LANG COMP", "TR-AP ENGLISH L", "TR/AP ENG LIT/COMP 9A", "TRANS AP ENG 11", "TRANS AP ENGLAN", "TRANS ENG 11 AP", "TRANS/AP ENGLISH", "TRNS AP ELANG", "TRNS AP LANG/COM", "TRNS ENG 2 AP", "TRNS ENG LNG AP", "TRS ENG LANB AP", "TRS ENG LANG AP", "TRVL AP LIT/CPB", "TVL AP LIT/CMPA", "V AP ENGLIT", "VH AP ENG 1", "VH AP ENG 2", "VH AP ENGLIT", "VH AP LIT 1", "VHS AP ENG LANG&COMP1", "VHS AP LANGUAGE & COMP", "VHS-AP ENG LANG", "VHS-AP ENG LANG&COMP", "VHS-AP ENG LANG&COMP1", "VHS-AP Eng & Comp", "VHS-AP Eng.Comp.", "VHS-AP LANG", "VHS-AP LIT & COMP", "Y AP ENGLISH"

Environmental Science:

"A P ENVIRONMENTAL SCI", "A P ENVIRONMENTAL SCIENCE", "ADV PLCMT EN SC",

"ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE", "AP ENV SCI 1A", "AP ENV SCI 1B", "AP ENV SCI S1", "AP ENV SCI S2", "AP ENV SCI SM 1", "AP ENV SCI SM 2", "AP ENV SCI-A", "AP ENV SCI-B", "AP ENV. SCIENCE (CRESTWOOD H.S.)", "AP ENVIR SCI", "AP ENVIR SCI 10", "AP ENVIRN SCI A", "AP ENVIRN SCI B", "AP ENVIROMENTAL SCIENCE", "AP ENVIROMENTAL SCIENCE B", "AP ENVIRON SCI", "AP ENVIRON SCI (MVHS)", "AP ENVIRON SCI 2", "AP ENVIRON. SCI. -A", "AP ENVIRON. SCI. -B", "AP ENVIRONMENT SCI A", "AP ENVIRONMENT SCI B", "AP ENVIRONMENT SCIENCE A", "AP ENVIRONMENT SCIENCE B", "AP ENVIRONMENTAL SCIENCE A", "AP ENVIRONMENTAL SCIENCE B", "AP ENVR SCI", "AP ENVSCI AA", "AP ENVSCI BB", "AP Environmental Science", "D AP ENV SCI", "ENV SCI AP 10", "ENV SCI AP 1", "ENV SCI AP 2", "ENVIR SCI AP", "ENVIRON SCI AP", "ENVIRONMENTAL SCIENCE AP", "Env. Science 1 AP", "Env. Science 1 AP - do not use", "Environmental Science AP", "Environmental Science 1 AP", "Environmental Science 2 AP", "KAMSC AP EN SCI", "KAMSC AP ENV SC", "KAMSC AP ENVIRO", "KAMSC AP ENVIRONMENTAL SCIENCE", "MVHS AP ENVIRONMENTAL SCIENCE", "MVHS ENV SCI AP", "SC AP ENVSCI", "SC V AP ENSC", "T - AP ENV SCIE", "T AP ENV SCI", "T- AP ENVIRON S", "TR AP ENV SCI", "TR AP ENV SCIENC", "TR AP ENVIR SCI", "TR AP ENVIRONME", "TR AP ENVSCI", "TR ENV SCI AP", "TR-AP ENV. SCIE"

European History:

**AP EUR HIST 10", "*AP EUROPEAN HISTORY", "*AP WESTERN CIV 1", "*AP WESTERN CIV 2", "402275 AP EURO HISTORY", "A P EURO HIST", "A P EURO HISTORY", "A P EUROPEAN HISTO-A", "A P EUROPEAN HISTO-B", "A P EUROPEAN HISTORY", "A P Euro Hist", "A.P. EURO HISTORY", "AP - EUROPEAN HISTORY", "AP E HIST AA", "AP E HIST BB", "AP EUR HIS A", "AP EUR HIS B", "AP EUR HIS C", "AP EUR HIS WT YR", "AP EUR HIST", "AP EUR HIST 10", "AP EUR HIST 10", "AP EUR HIST A", "AP EUR HIST B", "AP EUR HISTORY", "AP EUR HISTORYT1", "AP EURO HIST", "AP EURO HIST (IS)", "AP EURO HIST RESEARCH (IS)", "AP EURO HIST S1", "AP EURO HIST S2", "AP EURO HIST-A", "AP EURO HIST-B", "AP EURO HIST/TI", "AP EURO HISTORY", "AP EURO HISTORY A", "AP EURO HISTORY B", "AP EURO HISTORY/TI", "AP EURO HST", "AP EURO HST 1", "AP EURO HST S1", "AP EURO HST2", "AP EURO S1", "AP EURO S2", "AP EUROPE HIST", "AP EUROPEAN", "AP EUROPEAN HIS", "AP EUROPEAN HIST", "AP EUROPEAN HIST. A", "AP EUROPEAN HIST. B", "AP EUROPEAN HISTO -A", "AP EUROPEAN HISTO -B", "AP EUROPEAN HISTORY", "AP EUROPEAN HISTORY - TR", "AP EUROPEAN HISTORY A", "AP EUROPEAN HISTORY B", "AP EUROPEAN HISTORY C", "AP EUROPEAN HISTORY-TR", "AP EUROPEAN HST", "AP EUROPEAN HST A", "AP EUROPEAN HST B", "AP EUROPEAN HST C", "AP WESTERN CIV 1", "AP WESTERN CIV 2", "C AP E/HST 1", "C AP E/HST 2", "EURO HIST AP T", "EUROPEAN HST AP TI", "HISTORY, EUROPEAN AP", "HISTORY, EUROPEAN AP IS", "IND STUDY - AP EURO HIST", "IND STUDY -AP EURO HIST", "IND STUDY-AP EUROPEAN HISTORY", "IS APEURHIST", "IS/AP EURO HISTORY", "MVHS-AP EUROPEAN HISTORY", "T - AP EUROPEAN", "T AP ERÔPE HST", "T-AP EURO HIST", "TR AP EURO HIST", "TR AP EURO HSTRY", "TR AP EUROPEAN", "TR AP EUROPEAN HIST", "TR AP EUROPEAN HISTORY", "TR EURP HIST AP", "TR-AP EUROPEAN HISTORY", "TRANS AP EU HST", "TRANS AP EURHS", "TRANS AP EURHST", "TRANS AP EURO H", "TRANS AP EUROHS", "TRS EURP HIS AP", "VH AP E HIST"

French:

"AP FRENCH V 10", "*AP FRENCH", "A P FRENCH", "A P French", "AP FRENCH", "AP FRENCH (MIVHS)", "AP FRENCH (ON-LINE)", "AP FRENCH 4", "AP FRENCH 5", "AP FRENCH 5 A", "AP FRENCH 5 B", "AP FRENCH A", "AP FRENCH A (MVHS)", "AP FRENCH AA", "AP FRENCH BB", "AP FRENCH BB", "AP FRENCH LANGUAGE A", "AP FRENCH LANGUAGE A", "AP FRENCH LANGUAGE B", "AP FRENCH LANGUAGE C", "AP FRENCH LIT. S2 05", "AP FRENCH ON-LINE", "AP FRENCH S1", "AP FRENCH S2", "AP FRENCH V", "AP FRENCH VI A OL", "AP FRN5WT S1", "AP FRN5WT S2", "AP FRNCWT S1", "AP FRNCWT S2", "AP FRENCH Lit - IS", "APEX AP FRENCH", "DIRECTED STUDY - AP FRENCH 4", "DRSTD AP FRENCH", "DRSTDY AP FRENCH", "DrStd AP French", "DrStdy AP French", "FRENCH 5AP", "FRENCH 5AP S1", "FRENCH 5AP S2", "FRENCH 7 AP", "FRENCH 8 AP", "FRENCH AP", "FRENCH IV AP 10",

"FRENCH LANGUAGE, AP", "FRENCH V AP 10", "FRENCH V AP CR", "FRENCH V AP OL", "FRENCH VI AP OL", "FRENCH Language AP", "IND APFRENCH", "IND STUDY-AP FRENCH", "IS-AP French", "ML AP FRENCH", "ML FRENCH4AP", "ML FRENCH5AP", "ML FRNCH5AP T/O", "TR- AP FRENCH", "TR-AP FRENCH", "TR-AP FRENCH LA", "TR-PSEO AP FREN", "V AP FRENCH", "Y AP FRENCH"

German:

"*AP GERMAN", "AP GER5WT S1", "AP GER5WT S2", "AP GERMAN", "AP GERMAN ", "AP GERMAN A", "AP GERMAN AA", "AP GERMAN BB", "AP GRMNWT S1", "AP GRMNWT S2", "APGERMNWT S1", "APGERMNWT S2", "DRSTD AP GERMAN", "GERMAN IV AP 10", "GERMAN LANGUAGE AP IS", "GERMAN LANGUAGE, AP", "IS/AP GERMAN", "ML AP GERMAN", "ML GERMAN 4AP T/O", "ML GERMAN 4AP", "ML GERMAN 4AP", "TRANS GERM 4 AP"

Human Geography:

"AD PL HUMAN GEOG", "ADV PL HUMAN GEO", "AP GEOGORAPHY B", "AP GEOGRAPHY A", "AP GEOGRAPHY B", "AP GEOGRAPHY C", "AP GEOGRAPHY C", "AP HUM GEO S1", "AP HUM GEO S1", "AP HUM GEO S2", "AP HUM GEOG B", "AP HUMAN GEO", "AP HUMAN GEOGRAP /TI", "AP HUMAN GEOGRAPHY", "AP HUMAN GEOGRAPHY T", "AP HUMAN GEOGRAPHY/TI", "AP HUMAN GEOGRAPHY", "AP WRLD GEOG", "APHUM GEO ACAPM", "DS AP HUM GEO B", "GEOGRAPHY AP", "HUMAN GEOG AP", "HUMAN GEOGRAPHY AP", "HUMAN GEOGRAPHY AP", "ONLN AP HUM GEO", "TC AP HUM GEO 1", "TC AP HUM GEO 2", "TC AP HUMAN GEO", "TR AP GEOG", "TR AP HUMAN GEOGRAPHY", "TR-AP HUMAN GEOGR

Italian:

"IND STUDY ITALIAN V AP", "ITALIAN IV AP 10"

Japanese:

"AP JAPANESE WT", "AP JAPNESE WT", "AP JPN5WT S2", "AP JPNSWT S1", "AP JPNSWT S2"

Latin:

"IS LATIN 5AP S1", "LATIN 5AP S1", "LATIN 5AP S2", "LATIN IV AP 10", "LATIN LITERATURE, AP"

Music Theory:

"AP MUSIC THRY", "AP MUSIC THEORY", "AP MUSIC THEORY (IS)", "AP MUSIC THEORY A", "AP MUSIC THEORY B", "AP MUSIC THEORY C", "AP MUSIC THRY A", "AP MUSIC THRY B", "AP MUSIC THY", "AP MUSIC THY A", "AP MUSIC THY B", "AP MUSIC THY C", "MUS TH IV AP 05", "MUSIC THEORY AP", "MUSIC THEORY IV AP 05", "TRANS MUSIC AP"

Physics:

"*AP PHYSICS 1", "*AP PHYSICS 2", "406117 AP PHYSICS", "406117 AP PHYSICS (1)", "406117 AP PHYSICS (2)", "406117 AP PHYSICS (3)", "406117 AP PHYSICS (4)", "A P PHYSICS", "A P Physics", "ADV PL PHYSICS", "ADVANCED PLACEMENT PHYSICS", "ADVPL PHYS B S1", "ADVPL PHYS B S2", "ADVPL PHYS C S1", "ADVPL PHYS C S2", "AP PHY SCIENCE", "AP - PHYSICS", "AP ADV PHYSICS", "AP MS PHYSICS 12 S1", "AP MS PHYSICS 12 S2", "AP MS PHYSICS S1", "AP PHY SCI CHEM", "AP PHY SCI PHY", "AP PHY SCI PHYS", "AP PHY SCIENCE", "AP PHYS B S1", "AP PHYS B S2", "AP PHYS C", "AP PHYS C S1", "AP PHYS C S2", "AP PHYS C: MECH", "AP PHYS. SCI.PHY", "AP PHYSICS AA", "AP PHYSICB B SSOL", "AP PHYSICB B", "AP PHYSICS", "AP PHYSICS -A", "AP PHYSICS -B", "AP PHYSICS -C", "AP PHYSICS 10", "AP PHYSICS (1)", "AP PHYSICS (2)", "AP PHYSICS - TR", "AP PHYSICS /TI", "AP PHYSICS 1", "AP PHYSICS 10", "AP PHYSICS 10", "AP PHYSICS AB (B)", "AP PHYSICS B 1", "AP PHYSICS B 2", "AP PHYSICS B", "AP PHYSICS B", "AP PHYSICS C", "AP PHYSI

& M", "AP PHYSICS C MECHANICS", "AP PHYSICS C: ELEC & MAGNETISM", "AP PHYSICS C: ELEC & MAGNETISM", "AP PHYSICS E & M "C" C", "AP PHYSICS I", "AP PHYSICS LAB", "AP PHYSICS MECHANICS "C" A", "AP PHYSICS MECHANICS "C" B", "AP PHYSICS-A", "AP PHYSICS-B", "AP PHYSICS-B A", "AP PHYSICS-B B", "AP PHYSICS-C", "AP PHYSICS-C A", "AP PHYSICS-C B", "AP PHYSICS-TR", "AP PHYSICS/TI", "AP Phys C: Mech", "AP Physics", "AP Physics Online-MV", "APPHYS BWTS1", "APPHYS BWTS2", "APPHYS CWTS1", "APPHYS CWTS2", "APPHYS WT S1", "APPHYS WT S2", "APPHYSBWTS1", "APX AP PHYS", "APX AP PHYSICS", "D AP PHYSICS", "DIRECTED STDY - ADV TOPICS AP PHYSICS", "DIRECTED STUDY - AP PHYSICS SUPPORT", "DS - AP PHYSICS C", "DS AP PHYSC-C A", "DS AP PHYSICS A", "DS AP PHYSICS B", "IND AP PHYSICS", "IND STUDY AP PHYSICS", "IND STUDY-AP PHYSICS", "IND-AP PHYSICS", "IND. SDY/AP PHYSICS-A", "IND. STUDY - AP PHYSICS B". "IND. STUDY - AP PHYSICS A", "ISAPPHYSICSB", "KAMSC AP PHYSI", "KAMSC AP PHYSICS", "MS PHYSICS AP", "MS PHYSICS AP 12 S2", "MS PHYSICS AP S1", "MSC AP PHYSICS", "MST AP PHYSICS B", "MST AP PHYSICS C", "MVHS-AP PHYSICS A", "MVHS-AP PHYSICS B", "MVHS-AP PHYSICS B-S2", "MVU AP PHYSICS B", "ONLINE AP PHYSICS", "PHY C AP IND ST", "PHYSICS 1AP", "PHYSICS 2 AP", "PHYSICS 2AP", "PHYSICS B AP", "PHYSICS C AP", "PHYSICS C: MECHANICS, AP", "PHYSICS, C AP ELEC & MAGN II CR", "PHYSICS, C AP ELEC&MAGN I CR", "Physics AP", "Physics AP Sem 1", "Physics AP Sem 2", "SC AP PHYSIC", "SC PHYSCS AP", "T- AP PHYSICS B", "TR AP PHYSICS", "TR AP PHYSICS B", "TR-AP PHYSICS", "VH APPHYSIC1", "VH APPHYSIC2"

Psychology:

(WEB) AP PSYCHOLOGY 1 059", "*AP PSYCH", "*AP PSYCHOLOGY 1", "*AP PSYCHOLOGY 2", "A P PSYCHOLOGY", "ADVANCED PLACEMENT PSYCHOLOGY", "ADVANCED PLACEMENT PSYCHOLOGY A", "ADVANCED PLACEMENT PSYCHOLOGY B", "AP - PSYCHOLOGY", "AP PSCHOLOGY TI", "AP PSY RHS", "AP PSYCH", "AP PSYCH (1)", "AP PSYCH (2)", "AP PSYCH (3)", "AP PSYCH 12A", "AP PSYCH A", "AP PSYCH AA", "AP PSYCH B", "AP PSYCH BB", "AP PSYCH C", "AP PSYCH I.S.", "AP PSYCH O.L.", "AP PSYCH S1", "AP PSYCH S2", "AP PSYCH SM2", "AP PSYCH TI", "AP PSYCH-A", "AP PSYCH-B", "AP PSYCH.-S1", "AP PSYCH.-S2", "AP PSYCHCOLOGY", "AP PSYCHLOLGY/TI", "AP PSYCHOGOLY B", "AP PSYCHOGOLY C", "AP PSYCHOLGY", "AP PSYCHOLOGY", "AP PSYCHOLOGY ", "AP PSYCHOLOGY -A", "AP PSYCHOLOGY -B", "AP PSYCHOLOGY (MVHS)", "AP PSYCHOLOGY - OL", "AP PSYCHOLOGY - TR", "AP PSYCHOLOGY 05", "AP PSYCHOLOGY 1", "AP PSYCHOLOGY 10", "AP PSYCHOLOGY 1A", "AP PSYCHOLOGY 1B", "AP PSYCHOLOGY 2", "AP PSYCHOLOGY A", "AP PSYCHOLOGY A (H)", "AP PSYCHOLOGY B", "AP PSYCHOLOGY B (H)", "AP PSYCHOLOGY B-BYU", "AP PSYCHOLOGY C", "AP PSYCHOLOGY C (H)", "AP PSYCHOLOGY S2 05", "AP PSYCHOLOGY TI", "AP PSYCHOLOGY, PART 2", "AP PSYCHOLOGY-1ST SEM.", "AP PSYCHOLOGY-A", "AP PSYCHOLOGY-B", "AP PSYCHOLOGY-BYU", "AP PSYCHOLOGY/TI", "AP Psychology", "AP Psychology-BYU", "AP Psychology-MV", "APPSYCH", "APPSYCH S1", "APPSYCH WTS1", "APPSYCH WTS2", "APX AP PSYCH", "BYU - AP PSYCHOLOGY", "BYU -AP PSYCHOLOGY B", "BYU AP PSYCH WT", "C AP PSYC", "C AP PSYCH", "C AP PSYCH 1", "C AP PSYCH 2", "C AP PSYCH A", "C AP PSYCH B", "C AP PSYCHOL", "C AP PSYCHOLOGY", "C AP PSYCHOLOGY A", "C AP PSYCHOLOGY B", "C IS AP PSYC", "GLHS MVU - AP PSYCHOLOGY", "IB/AP PSYCH I", "INDEPENDENT STUDY-AP PSYCHOLOGY", "IS AP PSY", "IS/ AP PSYCH-B", "IS/AP PSYCH", "ISAP PSYCHS2", "LAPEERE AP PSYCH", "MIVHS AP PSYCH", "MSU AP PSYCH", "MV AP PSYCH", "MVHS - AP PSYCHOLOGY", "MVHS AP PSYCH", "MVHS AP PSYCHOLOGY", "MVHS PSYCH AP", "MVHS-AP PSYCHOLOGY", "OL AP PSYCH S2", "ON-LINE AP PSYCHOLOGY", "PSYCH AP 1", "PSYCH AP 2", "PSYCHOLOGY / AP", "PSYCHOLOGY AP", "PSYCHOLOGY AP OL", "PSYCHOLOGY AP T1", "PSYCHOLOGY AP TI", "Psychology AP", "Psychology AP 1", "SS AP PSYCH", "T - AP PSYCHOLO", "T-AP PSYCH", "TC AP PSYCHOLOG", "TR AP PSYCH", "TR AP PSYCHOLOG", "TR AP PSYCHOLOGY", "TR SS AP PSYCHOL", "TR V AP PSYCHLGY", "TR-AP PSYCHOLOGY", "TRANS AP PSY1", "TRANS AP PSY2", "TRANS PSYCH1 AP", "TRANS PSYCH2 AP", "TRANS/AP PSYCH", "TRNS AP PSYCH", "TRNS PSYCH AP", "V AP PSYCH", "VHS-AP PSYCHOLOGY", "VHS-AP Psyc", "VHS-AP Psych", "VMV AP PSYCH", "WHHS AP PSYCH TI"

Spanish:

**AP SPANISH", "*AP SPANISH 1", "*AP SPANISH 2", "A P SPANISH", "A P Spanish", "A P Spanish Literature", "A.P. SPANISH", "AP - SPANISH", "AP I.S. SPANISH", "AP SPAN LANG", "AP SPAN LANG CO", "AP SPAN LANG-S1", "AP SPAN LANG-S2", "AP SPAN REV", "AP SPAN TEST", "AP SPAN V", "AP SPANISH", "AP SPANISH A", "AP SPANISH B", "AP SPANISH A", "AP SPANISH (IS)", "AP SPANISH - A", "AP SPANISH - B", "AP SPANISH 1", "AP SPANISH 2", "AP SPANISH 4", "AP SPANISH 4/TI", "AP SPANISH 4A", "AP SPANISH 4B", "AP SPANISH 5", "AP SPANISH 5 A", "AP SPANISH 5 B", "AP SPANISH 5-A", "AP SPANISH 5-B", "AP SPANISH 5A", "AP SPANISH 5B", "AP SPANISH A", "AP SPANISH A OL", "AP SPANISH B", "AP SPANISH B OL", "AP SPANISH C", "AP SPANISH IV", "AP SPANISH IV-1ST SEM.", "AP SPANISH IV-1st Sem.", "AP SPANISH IV-2ND SEM.", "AP SPANISH IV-2nd Sem.", "AP SPANISH IV-S1", "AP SPANISH IV-S2", "AP SPANISH LANG", "AP SPANISH LANGUAGE A", "AP SPANISH LANGUAGE B", "AP SPANISH LANGUAGE C", "AP SPANISH ON LINE", "AP SPANISH S1", "AP SPANISH S2", "AP SPANISH TC", "AP SPANISH TI", "AP SPANISH V", "AP SPANSH AA", "AP SPANSH BB", "AP SPN5WT S1", "AP SPN5WT S2", "AP SPNSWT S1", "AP SPNSWT S2", "AP Spanish", "APEX AP SPAN A", "DIR STDY: AP SPANISH", "DRSTD AP SPANISH", "DRSTDY AP SPANISH", "DS -AP SPANISH", "DS AP SPANISH", "F AP SPANISH", "F AP SPANISH-1", "F AP SPANISH-2", "F AP SPANISH-I.S.", "F IS AP SPANISH A", "IS/AP SPANISH 5", "ML AP SPANSH", "ML SPANSH4AP", "ML SPANSH5AP", "ML SPNSH4AP T/O", "MVHS AP SPANISH", "MVHS SPANISH AP", "MVHS: AP SPANISH A (H)", "OL AP SPANISH", "OL AP SPANISH S2", "OL SPANISH 5AP", "OL SPANISH AP S1", "OL: AP SPANISH LANGUAGE", "PRO-AP SPANISH E", "SPAN IV AP 10", "SPAN V AP 10", "SPANISH 5AP", "SPANISH 5AP S1", "SPANISH 5AP S2", "SPANISH 7 AP", "SPANISH 8 AP", "SPANISH 9 AP", "SPANISH AP", "SPANISH LANGUAGE AP A", "SPANISH LANGUAGE, AP", "SPANISH LIT AP TI", "SPANISH V AP 10", "Spanish IV AP", "Spanish IV AP Sem 1", "Spanish IV AP Sem 2", "Spanish Language AP", "TR AP SPANSH", "TR-AP SPANISH", "TRANS SPANIS5AP", "VMV AP SPAN 1A", "VMV AP SPANISH", "Y AP SPANISH"

Statistics:

"*AP PROB STAT", "*AP STATISTICS 1", "*AP STATISTICS 2", "406117 AP STATISTICS A", "406117 AP STATISTICS B", "A P STATISTICS", "A P Statistics", "ADVANCED PLACEMENT STATISTICS", "AP - STATISTICS", "AP COLL STATISTICS S1", "AP COLL STATISTICS S2", "AP PROB AND STAT A", "AP PROB AND STAT B", "AP STAT", "AP STAT 2", "AP STAT II -VHS", "AP STATISTCS 1 NMP", "AP STATISTIC", "AP STATISTICS", "AP STATISTICS 10", "AP STATISTICS (A)", "AP STATISTICS (B)", "AP STATISTICS (MVHS)", "AP STATISTICS - OL", "AP STATISTICS 1", "AP STATISTICS 1& 2", "AP STATISTICS 1A", "AP STATISTICS 2", "AP STATISTICS A", "AP STATISTICS A -A", "AP STATISTICS A OL", "AP STATISTICS AP B OL", "AP STATISTICS B", "AP STATISTICS B -B", "AP STATISTICS C", "AP STATISTICS S1", "AP STATISTICS S2", "AP STATISTICS TI", "AP STATISTICS WT", "AP STATISTICS,S", "AP STATISTICS- MI Virtual HS", "AP STATISTICS-A", "AP STATISTICS-B", "AP STATISTICS-MVHS", "AP STATISTICS/TI", "AP STATS", "AP STATS -A", "AP STATS -B", "AP STATS A", "AP STATS B", "AP STATS 12 S1", "AP STATS 12 S2", "AP STATS A", "AP STATS AA", "AP STATS B", "AP STATS BB", "AP STATS C", "AP STATS S1", "AP STATS S2", "AP STATS-A", "AP STATS-B", "AP Stats", "APX AP STATS", "AVENTA-AP STATISTICS A", "DIRECTED STDY - ADV PLACEMENT STATISTICS", "DS AP STATS A", "DS AP STATS B", "E AP STATISTICS", "E AP STATS", "E IS AP STAT", "IS AP STATISTICS 1", "IS AP STATISTICS1B", "JST AP STATISTICS", "KAMSC AP STAT", "KAMSC AP STATISTICS", "KAMSC AP STATS", "MA AP STAT", "MST AP STATISTICS & PROBABILITY", "MST AP STATISTICS & PROBABLILITY", "MVHS AP STATISTICS", "MVHS STAT AP", "MVHS STATS AP", "MVHS-AP STATISTICS", "MVHS: AP STATISTICS I-A", "MVS-FLEX AP STATS", "OL AP STATISTICS", "OLSTATISTICS 1AP", "ON-LINE AP STATISTICS", "ONLINE AP STATISTICS", "Probability & Statistics AP", "STATISTICS - AP", "STATISTICS 1AP", "STATISTICS 1AP S1", "STATISTICS 1AP S2", "STATISTICS 2AP", "STATISTICS 2AP S2", "STATISTICS AP", "STATISTICS AP A OL", "STATISTICS AP IS". "STATISTICS AP OL", "STATISTICS AP TI", "STATISTICS, AP", "STATS AP 12 S1", "Statistics AP", "T - AP STATS", "T-AP STATISTICS", "TC AP STATISTIC", "TR AP START D", "TR AP STAT", "TR AP STATISTIC", "TR AP STATISTICS", "TR APSTATS ONL", "TR-AP STATISTICS",

"V AP STAT", "V AP STATISTICS", "V AP STATS", "VH AP STAT"

Studio Art:

"*AP ART GP", "*AP ART PORTFOLIO 1", "*AP ART PORTFOLIO 2", "A P ART PORTFOLIO", "A P STUDIO ART", "A P STUDIO ART S1", "A P STUDIO ART S2", "A P Studio Art", "ADV PL STUDIO ART", "ADV PLACEMENT ART", "ADVANCED ART - AP", "ADVANCED PLACEMENT STUDIO ART A", "ADVANCED PLACEMENT STUDIO ART B", "ADVANCED PLACEMENT STUDIO IS ART B", "AP ART", "AP ART 2D", "AP ART 2D BB", "AP ART AA", "AP ART BB", "AP ART DRW/PAINT", "AP ART PORTFOLIO -A", "AP ART PORTFOLIO -B", "AP ART PORTFOLIO 1", "AP ART S1", "AP ART STUDIO / PORTFOLIO A", "AP ART STUDIO / PORTFOLIO B", "AP ART STUDIO PORTFOLIO A", "AP ART STUDIO PORTFOLIO B", "AP ART2D AA", "AP DR&PNT 1", "AP DR&PNT 2", "AP ST ART", "AP ST ART 1HR A", "AP ST ART 1HR B", "AP ST ART 2HR A", "AP ST ART 2HR B", "AP ST ART 3-D A", "AP ST ART 3-D B", "AP ST ART A", "AP ST ART B", "AP ST ART C", "AP STD ART B", "AP STD ART A", "AP STDIO ART AA", "AP STDIO ART BB", "AP STU ART", "AP STU ART PORT", "AP STU/ART PORT", "AP STUD ART", "AP STUDIO", "AP STUDIO AR S1", "AP STUDIO AR S2", "AP STUDIO ART", "AP STUDIO ART 1", "AP STUDIO ART 2", "AP STUDIO ART PORTFOLIO A", "AP STUDIO ART PORTFOLIO B", "AP STUDIO ART PORTFOLIO C", "AP STUDIO ART: 2-D COMM DSGN 10", "AP STUDIO ART: 2-D PHOTO DSG 10", "AP STUDIO ART: 3-D DESIGN 10", "AP STUDIO ART: DRAWING 10", "AP Stu Art", "APSTDIOARTDRWAA", "APSTDIOARTDRWBB", "APSTUDIOART1", "APSTUDIOART2", "AR AP STUDIO", "AR STUDIO AP", "ART AP", "DS AP STUDIO ART", "I/S AP ART STD", "ILP: AP STUDIO", "IN ST AP ART AA", "IN ST AP ART BB", "INS AP ARTII", "INST AP ARTI", "IS AP ART", "IS/AP STUDIO ART", "L AP ART", "L AP ART 11", "L AP ART 2", "L AP ART I", "L AP HON ART", "STU ART AP 1", "STU ART AP 2", "TC AP STUDIO AR", "TR AP ART B DE", "TR AP ART JEWEL", "TR AP ART PHOTO", "TR AP ART ST GL", "TR AP BASIC DRA", "TR STUD ART AP", "TR-AP STUDIO ART"

U.S. Government and Politics:

" AP GOV'T/TI", " AP US GOVT", "*AP U.S. GOVT", "*AP US GOVT & POL 05", "406117 AP $^{\circ}$ GOVERNMENT & POLITICS: U.S.", "A P GOVERNMENT", "A P POLI SCI", "A.P. U.S. GOVT & POLITICS", "A.P. GOVERNMENT", "A.P. U.S. GOVT & POLITICS", "AM GOVT AP", "AMER GOV AP", "AP US GOVT&POL", "AP AM GOV WT ", "AP AM GOVT $\operatorname{1}$ ", "AP AM GOVT $\operatorname{S1}$ R", "AP AM GOVT-2", "AP AM GOVT/POLITIC", "AP AMER GOV", "AP AMER GOV 1", "AP AMER GOV 2", "AP AMER GOVRMNT", "AP AMER GOVT", "AP AMER GVT1", "AP AMER GVT2", "AP AMER/COMP GOVT & POLITICS", "AP AMERICAN GOV'T-A", "AP AMERICAN GOVERNMENT 1", "AP AMERICAN GOVERNMENT 2", "AP AMGOV WT", "AP AMRGOV WT", "AP GOV", "AP GOV & POL", "AP GOV & POLITICS", "AP GOV A", "AP GOV A 0", "AP GOV A 0 HR", "AP GOV B", "AP GOV B 0", "AP GOV B 0 HR", "AP GOV C", "AP GOV C 0", "AP GOV C 0 HR", "AP GOV TI", "AP GOV'T/TI", "AP GOV. TI", "AP GOV/PLTCS", "AP GOV/POL S1", "AP GOV/POL S2", "AP GOV/POLITICS", "AP GOVERN /POL", "AP GOVERN S1", "AP GOVERN S2", "AP GOVERN.POLITICS A", "AP GOVERN.POLITICS B", "AP GOVERNMENT", "AP GOVERNMENT -A", "AP GOVERNMENT -B", "AP GOVERNMENT A", "AP GOVERNMENT & POLITICS", "AP GOVERNMENT & POLITICS: U.S.", "AP GOVERNMENT - TR", "AP GOVERNMENT 1&2", "AP GOVERNMENT 3", "AP GOVERNMENT A", "AP GOVERNMENT A 0", "AP GOVERNMENT AND POLITICS", "AP GOVERNMENT B", "AP GOVERNMENT B ", "AP GOVERNMENT B 0", "AP GOVERNMENT C", "AP GOVERNMENT-A", "AP GOVERNMENT-B", "AP GOVERNMENT-R", "AP GOVERNMENT-S1", "AP GOVERNMENT-S2", "AP GOVERNMT", "AP GOVNMNT", "AP GOVRNMT A", "AP GOVRNMT B", "AP GOVRNMT C", "AP GOVT", "AP GOVT & POLTC-LINCOLN PARK", "AP GOVT (TESTED OUT)", "AP GOVT 2ND", "AP GOVT A", "AP GOVT AND POLITICS: US", "AP GOVT AND POLITICS: US-R", "AP GOVT AND POLITICS:US", "AP GOVT AND POLITICS:US-R", "AP GOVT AND POLTICS:US", "AP GOVT AND POLTHCS:US", "AP GOVT POL", "AP GOVT S2", "AP GOVT S2 WT", "AP GOVT SM2", "AP GOVT TI", "AP GOVT WT", "AP GOVT/POL", "AP Government", "AP HON GOVERN", "AP POL & GOV 12", "AP POL & GOVT12", "AP POL SCI", "AP POLI SCI", "AP U.S. GOV'T/POLIT.", "AP U.S. GOVERNMENT", "AP U.S. GOVERNMENT & POLITICS", "AP U.S. GOVERNMENT A", "AP

U.S. GOVERNMENT B", "AP U.S. GOVERNMENT-A", "AP U.S. GOVERNMENT-B", "AP U.S. GOVT A", "AP U.S. GOVT B", "AP US GOV-2", "AP US GOVT&POL", "AP US GOV", "AP US GOV & POL", "AP US GOV & POLITICS", "AP US GOV A", "AP US GOV AA", "AP US GOV BB", "AP US GOV POL/TI", "AP US GOV TI", "AP US GOV&POL", "AP US GOV'T", "AP US GOV'T I.S.", "AP US GOV'T/POL", "AP US GOV-1", "AP US GOV-2", "AP US GOV-3", "AP US GOV/POL", "AP US GOV/POLITICS A", "AP US GOV/POLITICS B", "AP US GOV/POLITICS C", "AP US GOVERNEMENT", "AP US GOVERNMENT", "AP US GOVERNMENT & POLITICS", "AP US GOVERNMENT & POLITICS A", "AP US GOVERNMENT & POLITICS B", "AP US GOVERNMENT & POLITICS C", "AP US GOVERNMENT & POLITICS IS", "AP US GOVERNMENT A", "AP US GOVERNMENT B", "AP US GOVERNMENT C", "AP US GOVERNMENT OL", "AP US GOVERNMENT TI", "AP US GOVERNMENT, POLITICS A", "AP US GOVERNMENT, POLITICS B", "AP US GOVERNMENT/POLITICS", "AP US GOVERNMENT/POLITICS A", "AP US GOVERNMENT/POLITICS B", "AP US GOVPOL", "AP US GOVT", "AP US GOVT & POL 05", "AP US GOVT & POLITICS", "AP US GOVT A", "AP US GOVT A/B", "AP US GOVT AND POLITICS", "AP US GOVT I.S.", "AP US GOVT& POL", "AP US GOVT&POL", "AP US GOVT-1", "AP US GOVT-2", "AP US GOVT/POLITICS", "AP US GOVT/POLITICS AVENTA", "AP US GOVTS1", "AP US GOVTS2", "AP US GOVt&Pol", "AP USGOVERNMENT", "APAMGOVWT S1", "APAMGOVWT S2", "Amer. Government AP", "Amer. Government AP - do not use", "American Government AP", "C AP AM GOV2", "C AP GOVT", "C AP GOVT S1", "C AP GOVT S2", "C AP US GOV/POL", "C AP US GOV/POLA", "C/AP GOVT S1", "CHS AP US GOV-1", "CHS AP US GOV-2", "CHS AP US GOV-3", "CHS/AP US GOV-1", "CHS/AP US GOV-2", "COL MVU AP GOV", "DS AP GOVMNT B", "DS AP GOVT A", "GENNET AP US GOVERNMENT A", "GOVERN AP", "GOVERNMENT AND POLITICS, U.S. AP", "GOVERNMENT AND POLITICS, U.S. AP ", "GOVERNMENT AP", "GOVT AP", "GOVT AP IND ST", "GOVT. AP", "GOVT/POLITICS AP", "Government & Politics: US AP", "HLHS A.P. GOVT", "HLHS AP GOV'T TI", "I/S-AP COMPARATIVE GOVERNMENT", "IS AP GOV'T", "IS AP GOVT", "IS-AP US GOV & POLITICS", "IS/AP GOVERNMT", "IS/AP US GOV/PO", "MIVHS AP US GOV", "MIVHS-AP GOVT", "MV AP US GOVT", "MVHS GOVT AP", "MVHS-AP GOVERNMENT", "MVHS: AP US GOVERNMENT", "OL AP US GOV", "OL US GOV AP", "OL: AP GOVERN&POL", "ON-LINE AP GOVERNMENT", "ONLINE AP GOVERNMENT", "PLATO AP US GOV", "SS AP GOVT", "SS GOVT AP", "T - AP GOVERNME", "T - AP GOVT", "T - AP GOVT-NSL", "TC AP GOVERNMEN", "TR AP AMER GOVT", "TR AP GOVERNMENT", "TR AP GOVERNMNT", "TR AP GOVT", "TR AP US GOVT", "TR AP US GOVT/P", "TR AP US GOVT/PO", "TR POLITICAL SCIENCE AP", "TR V AP GOVT", "TR- AP GOVERNMENT", "TR-AP GOVERNMENT", "TR-AP Government", "TRANS/AP GOVT", "TRNS AP GOVT", "US GOV AP", "US GOV AP TI", "V AP GOVT VM", "VHS AP GOVERNMENT", "VHS AP US GOVERNMENT & POLITICS", "VHS-AP US GOV&POLITICS", "VMV AP US GOVT", "Y AP POLITICAL SCIENCE"

U.S. History:

"AP US HIST/TI", "*AP AMER HIST 1", "*AP AMER HIST 2", "*AP AMERICAN HISTORY", "*AP UNITED STATES HISTORY", "*AP US HIST", "*AP US HIST 10", "406117 AP U.S. HISTORY A", "A P AMER HIST", "A P AMERICAN HISTORY", "A P Amer Hist", "A P HISTORY", "A P U.S. HISTORY", "A P U.S. HISTORY", "A.P. AMER. HISTORY", "A.P. AMERICAN HISTOR", "A.P. U.S. HISTORY", "ADVANCED PLACEMENT US HISTORY A", "ADVANCED PLACEMENT US HISTORY B", "ADVANCED PLACEMENT US HISTORY B IS", "AM HIS 1 AP", "AM HIS 2 AP", "AM HIST 2 AP", "AM HIST AP", "AM HIST AP 1S", "AM HIST AP 2S", "AM HISTORY AP", "AMER HISTORY / AP", "AMER HISTORY 1 AP", "AMER HISTORY 2 AP", "AMERICAN HISTORY/GEOGRAPHY AP", "AP - U.S. HISTORY - TR", "AP AM HIS WT S1", "AP AM HIS/GEO-A", "AP AM HIS/GEO-B", "AP AM HIST", "AP AM HIST (1)", "AP AM HIST (2)", "AP AM HIST (3)", "AP AM HIST (4)", "AP AM HIST 1", "AP AM HIST 2", "AP AM HIST-1", "AP AM HIST-2", "AP AM HISTORY", "AP AM. HISTORY", "AP AME HISTORY", "AP AMER HIST", "AP AMER HIST 1", "AP AMER HIST 2", "AP AMER HIST WT", "AP AMER HISTORY", "AP AMER HST", "AP AMER IST", "AP AMERICAN HIST", "AP AMERICAN HISTORY", "AP AMERICAN HISTORY A", "AP AMERICAN HISTORY B", "AP AMERICAN HISTORY C", "AP AMERICAN HISTORY-R", "AP AMHISWT S1", "AP AMHISWT S2", "AP AMHISWTS1", "AP AMHISWTS1 (R)",

"AP AMHISWTS2", "AP American History", "AP American History", "AP American History C", "AP HIST C", "AP HIST TEST", "AP HISTORY", "AP HISTORY A", "AP HISTORY B", "AP HISTORY WT", "AP U.S. HISTOY", "AP U.S. HIST", "AP U.S. HIST A", "AP U.S. HIST B", "AP U.S. HIST.", "AP U.S. HISTORY", "AP U.S. HISTORY -A", "AP U.S. HISTORY -B", "AP U.S. HISTORY T", "AP U.S. HISTORY A", "AP U.S. HISTORY B", "AP U.S. HISTORY C", "AP U.S. HISTORY-S1", "AP U.S. HISTORY-S2", "AP U.S. History", "AP U.S.HIST", "AP UNITED STATES HISTORY", "AP UNITED STATES HISTORY-R", "AP US HIS S1", "AP US HIS/GEO-A", "AP US HIS/GEO-B", "AP US HIST", "AP US HIST S2", "AP US HIST WT", "AP US HIST 10", "AP US HIST 1", "AP US HIST 2", "AP US HIST A", "AP US HIST A S1", "AP US HIST A TI", "AP US HIST A/B", "AP US HIST B", "AP US HIST B S2", "AP US HIST C", "AP US HIST GIFT", "AP US HIST I.S", "AP US HIST S1", "AP US HIST S2", "AP US HIST TI", "AP US HIST WT", "AP US HIST-1", "AP US HIST-2", "AP US HIST-3", "AP US HIST-TR", "AP US HIST. B TI", "AP US HIST. C TI", "AP US HIST/POLITICS (MVHS)", "AP US HIST/TI", "AP US HISTOR", "AP US HISTORY", "AP US HISTORY TI", "AP US HISTORY (CRESTWOOD)", "AP US HISTORY - IND STUDY", "AP US HISTORY - TR", "AP US HISTORY 1", "AP US HISTORY 2", "AP US HISTORY A", "AP US HISTORY A TI", "AP US HISTORY B", "AP US HISTORY B OL", "AP US HISTORY C", "AP US HISTORY I", "AP US HISTORY INDEPENDENT STUDY", "AP US HISTORY S1", "AP US HISTORY S2", "AP US HISTORY T1", "AP US HISTORY TI", "AP US HISTORY WT", "AP US HISTORY-A", "AP US HISTORY-B", "AP US HISTORY-TI", "AP US HISTORY-TR", "AP US HISTORY/TI", "AP US HISTORYB-TR", "AP US HISTORYTI", "AP US HISTRY", "AP US HST S1", "AP US History", "AP USHIST AA", "AP USHIST BB", "AP USHISTWT S2", "AP USHISTWTS1(R)", "AP Y US HISTORY & GEOGRAPHY", "APUSHISTA/BS1", "APUSHISTA/BS2", "APX AP HIST", "APX AP HISTORY", "APX AP HISTORY A", "APX AP HISTORY B", "American History AP", "C AP AM HST1", "C AP AM HST2", "C AP HISTORY", "C AP U.S. HIST", "C AP US HIST", "C AP US HIST A", "C AP US HISTORY", "C AP US HISTORY A", "C AP US HISTORY B", "C AP US HISTORY C", "CHAVEZ AP US HIS", "CTD AP US HIS WT", "DRST AP US HISTORY", "GENNET AP US HISTORY A", "HISTORY, U.S. AP", "HISTORY, U.S. AP (R1)", "IND STUDY AP US HIST", "IS AP US HISTORY A", "IS/AP US HISTOR", "LAPEERE AP USHIS", "MIVHS AP HIST", "MV AP US HIST", "MV AP US HISTORY", "MVHS - AP US HISTORY B", "MVHS AP US HISTORY A (X)", "MVHS US HIST AP", "MVHS USHIT AP", "MVHS-AP US HISTORY", "MVHS: AP US HISTORY A (H)", "OL AP HISTORY 1B", "OL AP US HISTORY", "OL US HISTORY AP", "OL: AP US HISTORY", "OLLAPAMHISTWT(R)", "ONLINE AP HIST", "PSJA AP US HIS", "SS AP USHIST", "SS USHIST AP", "T - AP US HISTO", "T AP US HISTORY", "T- AP HISTORY A", "T- AP HISTORY B", "T- AP US HISTOR", "T-AP US HIST", "T-AP US HISTORY", "TC A.P. US HIST", "TR A.P. US HISTORY", "TR AP AMER HISTORY", "TR AP AMERICAN HISTORY", "TR AP HISTORY", "TR AP U.S. HIST", "TR AP US HIS", "TR AP US HIST", "TR AP US HIST 1", "TR AP US HIST 2", "TR AP US HIST A", "TR AP US HIST B", "TR AP US HISTOR", "TR AP US HISTORY", "TR AP US HST", "TR AP US HSTRY", "TR AP USHIST", "TR SS AP US HIST", "TR V AP USHIST1", "TR-AP US HISTOR", "TR-AP US HISTORY", "TRANS AMHIST1AP", "TRANS AMHIST2AP", "TRANS AMHST1 AP", "TRANS AMHST2 AP", "TRANS AP AMHST", "TRANS AP US HIS", "TRANS AP US HIST", "TRANS AP US HST", "TRANS AP USHIST", "TRANS AP USHST", "TRANS/AP HISTORY", "TRANS/AP USHIST", "TRNS AP US HIST", "U.S. HIST AP A", "U.S. HIST AP B", "U.S. HIST AP C", "U.S. HISTORY 1AP", "U.S. HISTORY 2AP", "U.S. HISTORY AP", "U.S. HISTORY AP A", "U.S. HISTORY AP A T", "U.S. HISTORY AP B", "U.S. HISTORY AP C", "U.S. HY 10, AP T", "US AP HISTORY T1", "US HIST AP", "US HIST AP 1", "US HIST AP 2", "US HIST AP T", "US HISTORY 1AP", "US HISTORY 2 AP TI", "US HISTORY 2AP", "US HISTORY AP", "US HISTORY AP 1", "US HISTORY AP 2", "US HISTORY AP 2 OL", "US HISTORY AP A", "US HISTORY AP B", "US HISTORY AP C", "US HISTORY AP TI", "US HISTORY AP OL" "Unites States History AP", "V AP US HIST", "V AP US HIST SM2", "VH AP USHIST", "VMV AP US HIST", "VMV AP US HIST 1", "VMV AP US HIST A", "VMV AP US HIST B", "VMV AP US HIST I", "WHH AP US HIS TI"

World History:

"*AP WORLD HISTORY", "0 HR AP WORLD HIST A", "A.P. WORLD HISTORY & GEOGRAPHY", "AP WHIS WTS1", "AP WHIS WTS2", "AP WHIST A/B S2", "AP WLD HIS", "AP WLD HIS A", "AP WLD HIS C", "AP WLD HIS/GPHY", "AP WLD HISTORY/TI", "AP WOR

HIST GIFT", "AP WORLD HIS S1", "AP WORLD HIST", "AP WORLD HIST A", "AP WORLD HIST B", "AP WORLD HIST-A", "AP WORLD HIST-B", "AP WORLD HIST/TI", "AP WORLD HISTOR", "AP WORLD HISTORY", "AP WORLD HISTORY /TI", "AP WORLD HISTORY 1", "AP WORLD HISTORY A", "AP WORLD HISTORY B", "AP WORLD HISTORY C", "AP WORLD HISTORY TI", "AP WORLD HISTORY-R", "AP WORLD HISTORY/TI", "AP WORLD HISTRY", "AP WORLD HST AA", "AP WORLD HST BB", "AP WORLD HST S1", "AP WORLD HST S2", "AP WRL HIS/GE-A", "AP WRL HIS/GE-B", "AP WRLD HIS S1", "AP WRLD HIST", "AP WRLD HIST S2", "AP WRLD HIST A", "AP WRLD HIST B", "AP WRLD HIST GIF", "AP WRLD HIST S1", "AP WRLD HIST S2", "AP WRLD HIST TI", "AP WRLD HISTORY", "APWHISTA/B S1", "BLYTHE APWLD HIS", "C AP WORLD HISTORY", "CHAVEZ AP W.HIST", "DS AP WLD HIS A", "DS AP WLD HIS B", "DS AP WORLD HIST", "INDEPENDENT STUDY-AP WORLD HIST", "ONLINE AP WORLD HISTORY", "SS AP WLDHIS", "T AP WORLD HISTORY A", "T AP WORLD HISTORY B", "T- AP WORLD HIS", "TC AP WORLD HIS", "TR AP WL HISTOR", "TR AP WL HISTORY", "TR AP WLD HSTRY", "TR AP WLDHIS", "TR AP WORLD HI", "TR AP WORLD HIS", "TR AP WORLD HIST 10", "TR AP WORLD HISTORY", "TR AP WORLD HISTORY 9", "TR MOD W HIST AP", "TR WRLD HIST AP", "TR-AP WORLD CIVILIZATIONS", "TR-AP WORLD HIS", "TR-AP WORLD HISTORY", "TR-AP World History", "TRNS W HIST AP", "TRNS WRLD HIS AP", "TRVL AP W HISTA", "TVL AP WLD HISB", "WORLD HIST 1 AP", "WORLD HIST 2 AP", "WORLD HIST AP", "WORLD HISTORY AP", "WORLD HISTORY AP T", "WORLD HISTORY/GEOGRAPHY AP"

Ambiguous course titles (counted as AP in sensitivity analysis only)

"*AP ADV TOPICS", "ADV PLACEMENT", "ALGEBRA A AP", "ALLSAINT COMP AP", "AP ADV PRG III 05", "AP ADV PROG III 05", "AP ADV PROGRAMMING (IND STUDY)", "AP CPT WT S1", "AP CPT WT S1 R", "AP CPT WT S2", "AP CPT WT S2 R", "AP CPT WT2S1", "AP ENRICHMNT", "AP EVOL SCI", "AP LAB", "AP MATH 1", "AP MATH I", "AP MATH II", "AP MATH III", "AP MATH/TI", "AP SCI ON LINE", "AP SUPP", "AP TECH 1S", "AP TECH 2S", "AP TECH A", "AP TECH B", "AP THOUGHT & WRITING", "AP TOOLING 1", "AP WLD STUDIES/TI", "APEX AP AHST", "BA COMP AP 1", "BST/SOFT AP 1", "BU COM AP II", "BU COMP AP 1", "CMU HIST&AP CINE", "COLL MVU AP CS", "COM GRAP WEB", "COMP AP 9", "COMP AP 9A", "COMP AP 9B", "CPT AP TECH", "DOW KEYB/COMP AP", "DS AP PYSC-C B", "DUAL ENROLLMENT WCC INTRO COMP & SOFT AP", "E2020 M ML & AP", "G BASIC AP", "GENNET OFFICE AP", "HEBREW AP TI", "HUMAN AP TI", "IND STUDY AP 10", "KEYBO COMP AP 2B /TI", "KEYBO COMP AP 3C /TI", "KEYBOARD/COMP AP", "KEYS AP TECH -TR", "KVCC-BUS COM AP", "L.E.A.P.", "LI SK MAT AP", "MATH ANALY 1AP IS", "MATH ANALYSIS 1AP", "MATH ANLS AP S1 TO", "MATH ANLS AP S1 TO (R2)", "MATH ANLS AP TO", "MGMT COMP AP", "MIDL KEY/COMP AP", "OL BAS SOFTWARE AP", "OOC Learning EXP AP", "S BAS COM AP", "SOC STUDIES II TT AP", "SOCIAL STUDIES AP TI", "T - AP COLLEGE", "T - BUSINESS AP", "T- BUS CMP AP A", "T- BUS CMP AP B", "T-AP DRAFTING 2B", "TO-COMP AP 1", "TR AP ACRYLIC P", "TR AP AMERICAN", "TR AP GAME PROG", "TR AP INTRO SOF", "TR AP STUDY", "TR AP SUPP", "TR COM KEY / AP", "TR COMP KEY / AP", "TR DIG GRAP MEDI", "TR EN ELL APCOMP", "TR KEY/COMP AP I", "TR WINDOWS AP", "TR-AP BUSINESS", "TR-AP INTRO TO", "TR-AP MATHEMATI", "TR-COM KEY 1 AP", "TR-COMP AP 9 A", "TR-COMP AP 9 B", "TR-CSAP READING", "TR/BSTI COMP AP", "TRAN AP ABNRML", "TRANS COMP 1 AP", "TRANS COMP 2 AP", "TRANS/APWLD LIT", "V MA AP CMSC", "VIR BAS SFTWARE AP."

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