

Mountain Lakes High School: AP Scores Analysis



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College Board Updates

SAT, Subject Tests & AP Changes

- The Essay portion of the SAT will be discontinued after the June 2021 test administration
- SAT Subject Tests will no longer be offered, effective as of January 2021
 - Offered in 20 subjects
 - Possible expansion of AP exams
- Changes to AP exam administration

Diverging Paths of SAT Subject Tests and APs (Tests Given)

	2000	2005	2010	2015	2020
Subject Tests	768,600	840,680	779,058	604,286	442,913
APs	1,272,317	2,105,803	3,213,225	4,704,980	4,751,957*

*Subject Test figures are the graduating class year. AP figures are for testing year. COVID-19 changes dropped 2020 from an estimated 5.1 million.

2020 AP Testing

- AP Exams were administered in an abridged, online, remote format
 - 45-minute free response exams
 - No multiple choice questions
 - Tested content covered through March
 - Open-book / open-note

MLHS AP Results (2016-2020)

English



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English- 2020 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
English Language	4.4	98%	26%	56%	102%	57	56
English Literature*	3.8	80%	20%	40%	18%	10	55
Seminar	3.7	100%	29%	18%	100%	38	38
Total	4.0	93%	25%	38%	70%	105	149

* English college credit is often not awarded for both AP Language and AP English Literature. Therefore, many students who performed well on the English Language exam opt not to take the Literature exam.

English- 5 Year Trend (Achievement)

AP Course	2019-20		2018-19		2017-18		2016-17		2015-16	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
English Language	4.4	98%	4.5	98%	4.5	100%	4.2	98%	4.0	95%
English Literature	3.8	80%	4	100%	3.1	85%	3.6	95%	3.6	89%
Seminar	3.7	100%								
TOTAL	4.0	93%	4.3	99%	3.8	93%	3.9	97%	3.8	92%

English- 5 Year Trend (Exam Participation)

AP Course	2019-2020			2018-2019			2017-2018			2016-2017			2015-2016		
	Enrollment		%	Enrollment		%	Enrollment		%	Enrollment		%	Enrollment		%
	Course	Exam		Course	Exam		Course	Exam		Course	Exam		Course	Exam	
English Language	56	57	102%	41	42	102%	44	43	98%	44	42	95%	58	62	107%
English Literature*	55	10	18%	58	7	12%	56	20	36%	63	22	35%	42	18	43%
Seminar	38	38	100%												
Total/Avg.	149	105	70%	99	49	49%	100	63	63%	107	64	60%	100	80	80%

* English college credit is often not awarded for both AP Language and AP English Literature. Therefore, many students who performed well on the English Language exam opt not to take the Literature exam.

Fine Arts



Fine Arts- 2020 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Music Theory	5.0	100%	0%	100%	83%	5	6
Studio Art: 2-D, 3-D, Drawing*	3.5	100%	50%	0%	100%	6	6
Total	4.3	100%	25%	50%	92%	11	12

* Studio Art is one course, with three exams offered. Typically, students register to take one of the exams. Here, an average score across the 3 exams is shown.

Fine Arts- 5 Year Trend (Achievement)

AP Course	2019-20		2018-19		2017-18		2016-17		2015-16	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Music Theory	5	100%	4.5	100%	3.7	89%	4.0	100%	2.9	71%
Studio Art: 2-D, 3-D, Drawing	3.5	100%	3.5	100%	3.4	86%	3.8	80%	*	*
Total*	4.3	100%	4.0	100%	3.6	88%	3.9	90%	2.9	71%

* Studio Art is one course, with three exams offered. Typically, students register to take one of the exams. Here, an average score across the 3 exams is shown.

Fine Arts- 5 Year Trend (Exam Participation)

AP Course	2019-2020			2018-2019			2017-2018			2016-2017			2015-2016		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Music Theory	6	5	83%	6	6	100%	11	9	82%	9	6	67%	7	7	100%
Studio Art: 2-D, 3-D, Drawing*	6	6	100%	9	6	67%	10	7	70%	13	10	77%	6	3	50%
Total/Avg.	12	11	92%	15	12	80%	21	16	76%	22	16	73%	13	10	77%

* Studio Art is one course, with three exams offered. The percentage here represents how many students elected to take one of the three exams - as is common for this course.

Mathematics



Mathematics- 2020 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Calculus AB	3.6	80%	40%	20%	37%*	10	27
Calculus BC	4.2	96%	20%	56%	76%	25	33
Statistics	4.2	92%	27%	54%	63%	26	41
Total	4.0	89%	29%	43%	60%	61	101

* Students are less likely to receive college credit for Calculus AB than Calculus BC at highly selective institutions.

Mathematics- 5 Year Trend (Achievement)

AP Course	2019-20		2018-19		2017-18		2016-17		2015-16	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Calculus AB	3.6	80%	3.9	90%	3.0	57%	4.1	100%	4.1	91%
Calculus BC	4.2	96%	4.5	100%	3.8	86%	3.9	89%	4.4	96%
Statistics	4.2	92%	4.2	100%	4.0	88%	3.2	74%	3.5	80%
Total	4.0	89%	4.2	97%	3.6	77%	3.7	88%	4.0	89%

Mathematics- 5 Year Trend (Exam Participation)

AP Course	2019-2020			2018-2019			2017-2018			2016-2017			2015-2016		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Calculus AB	27	10	37%	19	10	53%	24	14	58%	22	12	55%	17	11	65%
Calculus BC	33	25	76%	37	22	59%	38	36	95%	26	28	108%	28	24	86%
Statistics	41	26	63%	33	21	64%	38	25	66%	47	27	57%	18	15	83%
Total/Avg.	101	61	60%	89	53	60%	100	75	75%	95	67	71%	63	50	79%

* Students are less likely to receive college credit for Calculus AB than Calculus BC at highly selective institutions.

Practical Arts



Practical Arts- 2020 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Computer Science A	4.8	100%	0%	89%	100%	19	19
Computer Science Principles	*	*	*	*	100%	4	4
Total	4.8	100%	0%	89%	100%	23	23

* An asterisk indicates that 4 or fewer students took the exam.

Practical Arts- 5 Year Trend (Achievement)

AP Course	2019-20		2018-19		2017-18		2016-17		2015-16	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Computer Science A	4.8	100%	4.9	100%	4.8	100%	5	100%	4.4	100%
Computer Science Principles*	*	*	4	100%	4.2	100%				
Total	4.8	100%	4.5	100%	4.5	100%	5	100%	4.4	100%

*Computer Science Principles was introduced in 2017-2018.

Practical Arts- 5 Year Trend (Exam Participation)

AP Course	2019-2020			2018-2019			2017-2018			2016-2017			2015-2016		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Computer Science A	19	19	100%	21	20	95%	9	9	100%	8	9	113%	5	5	100%
Computer Science Principles	4	4	100%	18	13	72%	21	18	86%						
Total	23	23	100%	39	33	85%	30	27	90%	8	9	113%	5	5	100%

Science



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Science- 2020 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Participation	Tested	Course Enrollment
Biology	3.7	88%	42%	19%	68%	26	38
Chemistry	4.3	100%	42%	42%	100%	12	12
Environmental Science	3.7	83%	67%	8%	50%	12	24
Physics 1	2.9	58%	28%	10%	56%	50	89
Physics 2	2.8	50%	25%	0%	62%	8	13
Physics C: E&M*	3.4	71%	57%	7%	58%	14	24
Physics C: Mechanics*	3.7	78%	28%	33%	75%	18	24
Total	3.5	75%	41%	17%	70%	140	200

Science- 5 Year Trend (Achievement)

AP Course	2019-20		2018-19		2017-18		2016-17		2015-16	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Biology	3.7	88%	3.4	91%	3.2	85%	3.2	92%	3.4	82%
Chemistry	4.3	100%	3.9	100%	4.6	100%	3.8	86%	3.7	82%
Environmental Science	3.7	83%	3.5	80%	3.5	67%	3.9	93%	3.3	73%
Physics 1	2.9	58%	3.1	69%	3.1	63%	3.0	63%	3.2	77%
Physics 2	2.8	50%	*	*	*	*			*	*
Physics C: E&M	3.4	71%	4.0	80%	3.9	75%	3.3	78%	3.0	50%
Physics C: Mechanics	3.7	78%	4.6	100%	3.6	75%	4.3	100%	3.9	94%
Total	3.5	75%	3.8	87%	3.7	78%	3.6	85%	3.4	76%

Science- 5 Year Trend (Exam Participation)

AP Course	2019-2020			2018-2019			2017-2018			2016-2017			2015-2016		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Biology	38	26	68%	63	43	68%	59	40	68%	55	36	65%	58	45	78%
Chemistry	12	12	100%	16	16	100%	7	7	100%	15	14	93%	11	11	100%
Enviro. Science	24	12	50%	26	10	38%	19	6	32%	42	15	36%	48	15	31%
Physics 1	89	50	56%	66	36	55%	89	49	55%	75	41	55%	67	44	66%
Physics 2	13	8	62%	17	3	18%	24	2	8%				8	1	13%
Physics C: E&M	24	14	58%	27	10	37%	24	8	33%	25	9	36%	27	12	44%
Physics C: Mechanics	24	18	75%	27	16	59%	24	16	66%	25	14	56%	27	17	63%
Total	200	140	70%	215	134	62%	222	128	58%	212	129	61%	219	145	66%

Social Studies



Social Studies- 2020 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Art History	3.7	100%	43%	14%	70%	7	10
Economics: Macro	*	*	*	*	5%	3	56
Economics: Micro	2.9	65%	18%	6%	30%	17	56
European History	4.1	92%	38%	38%	48%	13	27
Gov: Comparative Gov. & Politics	3.7	85%	35%	30%	26%	20	76
Gov: U.S. Gov. & Politics	3.6	84%	23%	28%	57%	43	76
U.S. History	4	95%	34%	34%	96%	79	82
World History	4.2	95%	41%	44%	95%	39	41
Total	3.7	88%	33%	28%	76%	221	292

Social Studies- 5 Year Trend (Achievement)

AP Course	2019-20		2018-19		2017-18		2016-17		2015-16	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Art History	3.7	100%	None	None	*	*	4	100%	3	60%
Economics: Macro*	*	*	2.4	38%	3.2	61%	3.9	88%	3.7	82%
Economics: Micro*	2.9	65%	3.4	65%	3.6	74%	3.9	97%	3.7	94%
European History	4.1	92%	2.8	50%	3.9	91%	4.0	89%	3.6	78%

Social Studies- 5 Year Trend (Achievement)- Cont'd

AP Course	2019-20		2018-19		2017-18		2016-17		2015-16	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Gov: Comparative Gov. & Politics*	3.7	85%	3.1	64%	3.7	79%	3.3	72%	3.3	78%
Gov: U.S. Gov. & Politics*	3.6	84%	3.2	70%	3.4	72%	3.2	73%	3.0	66%
U.S. History	4.0	95%	3.6	85%	3.5	78%	3.8	95%	3.5	80%
World History	4.2	95%	4.3	96%	3.9	96%	3.9	93%	3.6	98%
Total	3.7	88%	3.3	67%	3.6	79%	3.8	88%	3.4	80%

*AP Macroeconomics & Microeconomics are taught as one course. AP Comparative Government and U.S. Government are taught as one course.

Social Studies- 5 Year Trend (Exam Participation)

AP Course	2019-2020			2018-2019			2017-2018			2016-2017			2015-2016		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Art History	10	7	70%				4	2	50%	21	7	33%	10	5	50%
Econ: Macro	56	3	5%	80	24	30%	80	46	58%	72	32	44%	59	33	56%
Econ: Micro	56	17	30%	80	20	25%	80	34	43%	72	35	49%	59	31	53%
European History	27	13	48%	15	6	40%	30	11	37%	30	19	63%	14	9	64%

Social Studies- 5 Year Trend (Exam Participation)-Cont'd

AP Course	2019-2020			2018-2019			2017-2018			2016-2017			2015-2016		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Gov: Comp. Gov. & Politics	76	20	26%	70	36	51%	78	24	31%	85	25	29%	90	27	30%
Gov: U.S. Gov. & Politics	76	43	57%	70	43	61%	78	60	77%	85	41	48%	90	62	69%
U.S. History	82	79	96%	91	85	93%	98	94	96%	88	75	85%	83	74	89%
World History	41	39	95%	27	26	96%	34	27	79%	45	41	91%	41	40	98%
Total/Avg	292	221	76%	283	240	85%	324	298	92%	341	275	81%	297	281	95%

World Languages



World Language- 2020 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Participation	Tested	Course Enrollment
French Language	3.7	100%	71%	0%	100%	7	7
Spanish Language	4	93%	50%	29%	88%	14	16
Total	3.9	97%	61%	15%	91%	21	23

World Languages- 5 Year Trend (Achievement)

AP Course	2019-2020		2018-2019		2017-2018		2016-2017		2015-2016	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
French Language	3.7	100%	4.2	100%	3.6	78%	3.6	82%	4.0	100%
Spanish Language	4.0	93%	4.1	100%	4.3	100%	5.0	100%	4.6	100%
Total	3.9	97%	4.2	100%	4.0	89%	4.3	91%	4.3	100%

World Languages- 5 Year Trend (Exam Participation)

AP Course	2019-2020			2018-2019			2017-2018			2016-2017			2015-2016		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
French Language	7	7	100%	10	6	60%	12	9	75%	18	11	61%	7	7	100%
Spanish Language	16	14	88%	13	10	77%	10	9	90%	10	7	70%	11	9	82%
Total/Avg.	23	21	91%	23	16	70%	22	18	82%	28	18	64%	18	16	89%

Total 5 Year Trend (Achievement)- Across all Subject Areas

	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
Number of Exams Taken	582	537	625	578	587
Total % Scored 3+	88%	86%	84%	86%	85%

State/National Averages

Comparison to State and National Averages: 2020

AP Course	MLHS Average Score	NJ Average	National Average
English*	4.28	3.30	2.90
Fine Arts	3.93	3.59	3.37
Math	4.02	3.64	3.28
Practical Arts	4.27	3.38	3.16
Science	3.39	3.27	2.93
Social Studies	3.83	3.35	2.92
World Language	3.86	3.77	3.68

*Does not include AP Seminar.

2021 AP Testing

2021 Registration

- AP Course Enrollment: 948 students
 - Enrollment by course is available [here](#)
- AP Exam Registration: 717
 - Students have until 3/1 to cancel an exam

Total 6 Year Trend (Exam Participation)- Across all Subject Areas

	2020-2021	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
Total AP Class Enrollment	948	803	773	819	813	715
Total # of Students Enrolled in AP Classes	346	310	272	299	324	
Total Exams Taken/ Registered*	717*	582	537	625	578	587
Participation Rate	76%	72%	69%	76%	71%	82%

Factors That Impact AP Registration

- May not get college credit
- Desire to take the class again in college
- Belief that AP exam performance does not have a tremendous impact on collegiate admissions
- Feeling unprepared / will not earn a 4 or 5
- Tight timeline - those taking multiple AP courses may not be able to prepare for all the exams
- Belief they are a poor standardized test taker / test anxiety
- Cost
- COVID-19 pandemic

2021 AP Testing

- The 2021 AP Exam schedule provides three testing dates for each subject between early May and mid-June. By subject, each date is either a "paper-only" date or a "digital-only" date.
- Will cover the full course content.