

Mountain Lakes High School: AP Scores Analysis: 2023

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2023 AP Testing

- 29 Advanced Placement Exams
- Two-week testing window with a final late testing window
- Covered full course content
- In-school paper exams
- 4 Digital Exams



MLHS AP Results (2019-2023)

English



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English: 2023 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
English Language	4.14	97%	45%	36%	98%	58	59
English Literature*	4.10	100%	62%	24%	30%	21	71
Research	3.97	100%	32%	32%	97%	31	32
Seminar	4.14	100%	38%	38%	100%	29	29
Dept. Avg.	4.09	99%	43%	34%	73%	139	191

* At some colleges, English credit is not awarded for both AP Language and AP English Literature. Therefore, students who performed well on the English Language exam may opt not to take the Literature exam.

English: 5-Year Trend (Achievement)

AP Course	2022-2023		2021-2022		2020-2021		2019-2020		2018-2019	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
English Language	4.1	97%	4.4	99%	4.2	99%	4.4	98%	4.5	98%
English Literature	4.1	100%	3.8	84%	3.6	90%	3.8	80%	4.0	100%
Research	4.0	100%	4.2	100%	4.2	100%	—	—	—	—
Seminar	4.1	100%	4.3	100%	4.3	100%	3.7	100%	—	—
Dept. Avg.	4.1	99%	4.3	97%	4.2	97%	4.1	99%	4.4	99%

English: 5 Year Trend (Exam Participation)

AP Course	2022-2023			2021-2022			2020-2021			2019-2020			2018-2019		
	Enrollment		%	Enrollment		%	Enrollment		%	Enrollment		%	Enrollment		%
	Course	Exam		Course	Exam		Course	Exam		Course	Exam		Course	Exam	
English Language	59	58	98%	66	68	103%	79	77	97%	56	57	102%	41	42	102%
English Literature*	71	21	30%	85	25	29%	60	10	17%	55	10	18%	58	7	12%
Research	32	31	97%	33	33	100%	14	14	100%	–	–	–	–	–	–
Seminar	29	29	100%	18	18	100%	30	30	100%	38	38	100%	–	–	–
Total/Avg.	191	139	73%	202	144	71%	183	131	72%	149	105	70%	99	49	49%

Fine Arts



Fine Arts: 2023 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Music Theory	3.63	88%	75%	—	89%	8	9
Studio Art: 2-D Art, Drawing*	3.33	67%	67%	—	75%	3	4
Dept. Avg.	3.55	82%	73%	—	85%	11	13

*Studio Art is one course, with three exams offered: Drawing, 2D, and 3D. Typically, students register to take one of the exams. We had students take 2D Art & Drawing last year - an average score across the 2 exams is shown.

Fine Arts: 5-Year Trend (Achievement)

AP Course	2022-2023		2021-2022		2020-2021		2019-2020		2018-2019	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Music Theory	3.6	88%	4.4	100%	4.4	100%	5	100%	4.5	100%
Studio Art: Drawing, 2D, 3D	3.3	67%	4.5	100%	3.5	100%	3.5	100%	3.5	100%
Dept. Avg.	3.6	100%	4.4	100%	4.1	100%	4.2	100%	4.0	100%

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

Fine Arts: 5-Year Trend (Exam Participation)

AP Course	2022-2023			2021-2022			2020-2021			2019-2020			2018-2019		
	Enrollment		%	Enrollment		%	Enrollment		%	Enrollment		%	Enrollment		%
	Course	Exam		Course	Exam		Course	Exam		Course	Exam		Course	Exam	
Music Theory	9	8	89%	7	7	100%	11	10	91%	6	5	100%	6	6	100%
Studio Art: 2-D, 3-D, Drawing*	4	3	75%	4	3	75%	7	6	86%	6	6	100%	9	6	67%
Total/Avg.	13	11	85%	11	10	91%	18	16	89%	12	11	92%	15	12	80%

* 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



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Mathematics- 2023 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Calculus AB	3.79	93%	36%	25%	82%	28	34
Calculus BC	4.61	94%	11%	78%	106%	18	17
Statistics	4.45	97%	39%	55%	87%	33	38
Dept. Avg.	4.25	95%	32%	49%	89%	79	89

Mathematics: 5-Year Trend (Achievement)

AP Course	2022-2023		2021-2022		2020-2021		2019-2020		2018-2019	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Calculus AB	3.8	93%	3.6	73%	2.5	31%	3.6	80%	3.9	90%
Calculus BC	4.6	94%	4.4	90%	3.3	61%	4.2	96%	4.5	100%
Statistics	4.5	97%	4.0	95%	4.2	89%	4.2	92%	4.2	100%
Dept. Avg.	4.3	95%	4.0	88%	3.5	60%	4.1	89%	4.3	97%

Mathematics: 5-Year Trend (Exam Participation)

AP Course	2022-2023			2021-2022			2020-2021			2019-2020			2018-2019		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Calculus AB	34	28	82%	32	22	69%	22	13	59%	27	10	37%	19	10	53%
Calculus BC	18	17	94%	37	38	103%	41	28	68%	33	25	76%	37	22	59%
Statistics	38	33	87%	49	42	86%	55	26	47%	41	26	63%	33	21	64%
Total/Avg	89	79	89%	118	102	86%	118	67	57%	101	61	60%	89	53	60%

Practical Arts



Practical Arts: 2023 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Computer Science A	4.15	85%	38%	46%	93%	13	14
Computer Science Principles	3.06	69%	13%	19%	67%	16	24
Dept. Avg.	3.55	76%	24%	31%	76%	29	38

Practical Arts: 5-Year Trend (Achievement)

AP Course	2022-2023		2021-2022		2020-2021		2019-2020		2018-2019	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Computer Science A	4.2	85%	3.8	94%	4.7	100%	4.8	100%	4.9	100%
Computer Science Principles	3.1	69%	4.0	85%	4.3	83%	*	*	4.0	100%
Dept. Avg.	3.6	76%	3.9	90%	4.6	92%	4.8	100%	4.6	100%

*An asterisk indicates that 4 or fewer students took the exam. Computer Science Principles was introduced in 2017-2018.

Practical Arts: 5-Year Trend (Exam Participation)

AP Course	2022-2023			2021-2022			2020-2021			2019-2020			2017-2018		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Computer Science A	14	13	93%	19	18	95%	20	21	105%	19	19	100%	21	20	95%
Computer Science Principles	24	16	67%	17	13	85%	20	12	60%	4	4	100%	18	13	72%
Total/Avg.	38	29	76%	36	31	86%	40	33	83%	23	23	100%	39	33	85%

Science



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Science: 2023 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Participation	Tested	Course Enrollment
Biology	4.00	91%	36%	36%	61%	11	18
Chemistry	4.42	100%	28%	23%	100%	12	12
Environmental Science	3.53	80%	53%	10%	57%	30	53
Physics 1	3.16	67%	26%	14%	63%	43	68
Physics 2	1.80	20%	—	—	31%	5	16
Physics C: E&M	3.08	58%	25%	17%	46%	12	26
Physics C: Mechanics	3.47	80%	20%	27%	58%	15	26
Dept. Avg.	3.41	74%	34%	19%	58%	128	219

Science: 5-Year Trend (Achievement)

AP Course	2022-2023		2021-2022		2020-2021		2019-2020		2018-2019	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Biology	4.0	91%	3.7	86%	3.1	79%	3.7	88%	3.4	91%
Chemistry	4.4	100%	3.9	86%	3.9	100%	4.3	100%	3.9	100%
Environmental Science	3.5	80%	3.6	96%	3.7	89%	3.7	83%	3.5	80%
Physics 1	3.2	67%	2.5	46%	3.1	70%	2.9	58%	3.1	69%
Physics 2	1.8	20%	*	*	*	*	2.8	50%	*	*
Physics C: E&M	3.1	58%	3.8	82%	3.4	80%	3.4	71%	4.0	80%
Physics C: Mechanics	3.5	80%	3.6	77%	3.6	83%	3.7	78%	4.6	100%
Dept. Avg.	3.4	74%	3.3	68%	3.4	84%	3.4	75%	3.6	87%

Science: 5-Year Trend (Exam Participation)

AP Course	2022-2023			2021-2022			2020-2021			2021-2020			2018-2019		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Biology	18	11	61%	59	44	75%	60	28	47%	38	26	68%	59	43	68%
Chemistry	12	12	100%	7	7	100%	19	18	95%	12	12	100%	16	16	100%
Enviro. Science	53	30	57%	50	22	44%	51	9	18%	24	12	50%	26	10	38%
Physics 1	68	43	63%	90	54	60%	75	30	40%	89	50	56%	66	36	55%
Physics 2	16	5	31%	15	1	7%	15	1	7%	13	8	62%	17	3	18%
Physics C: E&M	26	12	46%	29	11	38%	31	5	16%	24	14	58%	27	10	37%
Physics C: Mechanics	26	15	58%	29	17	59%	31	12	39%	24	18	75%	27	16	59%
Total/Avg.	219	128	58%	279	156	56%	251	103	41%	200	140	70%	215	134	62%

Social Studies



Social Studies: 2023 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Art History	3.57	86%	43%	14%	37%	7	19
Economics: Macro	3.42	92%	21%	17%	43%	24	56
Economics: Micro	3.48	85%	30%	19%	48%	27	56
European History	4.45	100%	36%	55%	69%	11	16
U.S. Gov. & Politics	3.39	79%	21%	24%	46%	38	83
U.S. History	3.74	82%	20%	38%	100%	61	61
World History	4.30	100%	35%	48%	96%	23	24
Dept. Avg.	3.70	86%	25%	31%	61%	191	315

Social Studies: 5-Year Trend (Achievement)

AP Course	2022-2023		2021-2022		2020-2021		2019-2020		2018-2019	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Art History	3.6	86%	3.6	38%	4.1	100%	3.7	100%	None	None
Economics: Macro*	3.4	92%	2.2	27%	2.9	64%	*	*	2.4	38%
Economics: Micro*	3.5	85%	2.8	45%	3.5	77%	2.9	65%	3.4	65%
European History	4.5	100%	4.1	75%	4.0	94%	4.1	92%	2.8	50%

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

AP Course	2022-2023		2021-2022		2020-2021		2019-2020		2018-2019	
	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%
Gov: U.S. Gov. & Politics*	3.4	79%	3.2	68%	3.2	74%	3.6	84%	3.2	70%
U.S. History	3.4	82%	3.8	85%	3.8	87%	4.0	95%	3.6	85%
World History	4.3	100%	4.2	96%	4.1	89%	4.2	95%	4.3	96%
Dept. Avg.	3.7	86%	3.4	73%	3.7	84%	3.8	88%	3.4	67%

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

Social Studies: 5-Year Trend (Exam Participation)

AP Course	2022-2023			2021-2022			2020-2021			2021-2020			2018-2019		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Art History	19	7	37%	24	9	38%	13	12	92%	10	7	70%	–	–	–
Econ: Macro*	56	24	43%	89	24	27%	50	11	22%	56	3	5%	80	24	30%
Econ: Micro*	56	27	48%	89	40	45%	50	13	26%	56	17	30%	80	20	25%
European History	16	11	69%	28	21	75%	21	17	81%	27	13	48%	15	6	40%

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

AP Course	2022-2023			2021-2022			2020-2021			2019-2020			2018-2019		
	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%
Gov: U.S. Gov. & Politics*	83	38	46%	72	38	53%	105	61	58%	76	43	57%	70	43	61%
U.S. History	61	61	100%	89	85	96%	97	92	95%	82	79	96%	91	85	93%
World History	24	23	96%	23	22	96%	24	26	108%	41	39	95%	27	26	96%
Total/Avg.	315	191	61%	414	239	58%	310	232	75%	292	221	76%	283	240	85%

World Languages



World Language: 2023 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Participation	Tested	Course Enrollment
Chinese Language	5.00	100%	100%	100%	—	4	—
French Language	3.50	83%	67%	—	60%	6	10
Spanish Language	4.23	100%	46%	38%	81%	13	16
Dept. Avg.	4.17	96%	43%	39%	88%	23	26

World Languages: 5-Year Trend (Achievement)

AP Course	2022-2023		2021-2022		2020-2021		2019-2020		2018-2019	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Chinese Language	5.0	100%	–	–	–	–	–	–	–	–
French Language	3.5	83%	3.8	88%	2.9	75%	3.7	100%	4.2	100%
Spanish Language	4.2	100%	3.5	100%	3.8	100%	4.0	93%	4.1	100%
Dept. Avg.	4.2	96%	3.6	95%	3.4	88%	3.9	97%	4.1	100%

World Languages: 5-Year Trend (Exam Participation)

AP Course	2022-2023			2021-2022			2020-2021			2019-2020			2018-2019		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Chinese Language	–	4	–	–	–	–	–	–	–	–	–	–	–	–	–
French Language	10	6	60%	11	8	73%	12	8	67%	7	7	100%	10	6	60%
Spanish Language	16	13	81%	13	13	100%	15	9	60%	16	14	88%	13	10	77%
Total/Avg.	26	23	88%	24	21	88%	27	17	63%	23	21	91%	23	16	70%

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

	2022-2023	2021-2022	2020-2021	2019-2020	2018-2019
Number of Exams Taken	600	693	605	587	542
Total % Scored 3+	88%	82%	85%	88%	84%

Total 5-Year Trend (Exam Participation) - Across all Subject Areas

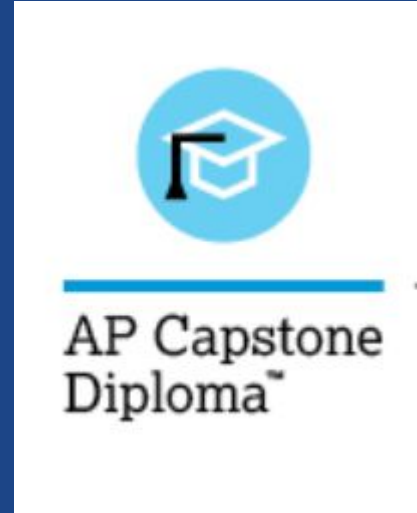
	2022-2023	2021-2022	2020-2021	2019-2020	2018-2019
Total AP Class Enrollment	990	956	956	948	803
Total # of Students Enrolled in AP Classes	314	317	317	346	310
Total Exams Taken/ Registered*	605	693	693	605	587
Participation Rate	61%	73%	73%	64%	73%

Factors That Impact AP Registration

- May not get college credit
- Those taking multiple AP courses may not be able to prepare for all exams
- Belief that AP exam performance does not have a tremendous impact on collegiate admissions
- Feeling unprepared / will not earn a 4 or 5
- Belief they are a poor standardized test taker / test anxiety
- Want to enjoy end of senior year

AP Honors: 2023

- AP Scholar: 32 students
- AP Scholar with Honor: 19 students
- AP Scholar with Distinction: 76 students
- AP Seminar & Research Certificate: 7 students
- AP Capstone Diploma: 25 students



Questions?