

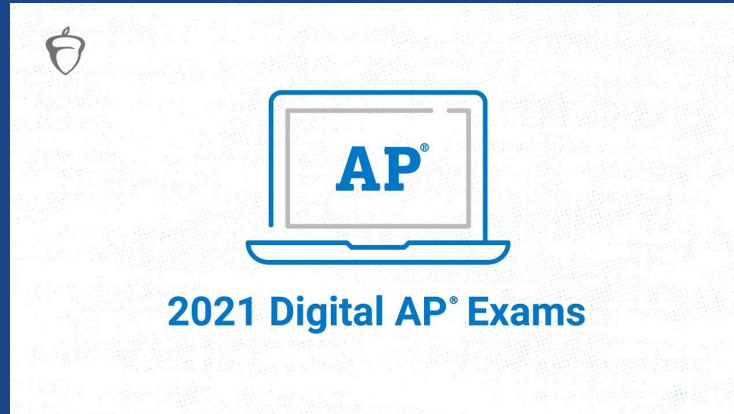
# Mountain Lakes High School: AP Scores Analysis: 2022

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*Raymond Searles, Jr., Director of School Counseling*

# 2022 AP Testing

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



# MLHS AP Results (2018-2022)

English



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# English- 2022 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
English Language	4.41	99%	28%	57%	103%	68	66
English Literature*	3.84	84%	28%	36%	29%	25	85
Research	4.18	100%	45%	36%	100%	33	33
Seminar	4.33	100%	33%	50%	100%	18	18
<b>Dept. Avg.</b>	<b>4.25</b>	<b>97%</b>	<b>33%</b>	<b>48%</b>	<b>71%</b>		

\* 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	2021-2022		2020-2021		2019-2020		2018-2019		2017-2018	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
English Language	4.4	99%	4.2	99%	4.4	98%	4.5	98%	4.5	100%
English Literature	3.8	84%	3.6	90%	3.8	80%	4.0	100%	3.1	85%
Research	4.2	100%	4.2	100%						
Seminar	4.3	100%	4.3	100%	3.7	100%				
<b>Dept. Avg.</b>	<b>4.3</b>	<b>97%</b>	<b>4.2</b>	<b>97%</b>	<b>4.1</b>	<b>99%</b>	<b>4.4</b>	<b>99%</b>	<b>4.1</b>	<b>93%</b>

# English- 5 Year Trend (Exam Participation)

AP Course	2021-2022			2020-2021			2019-2020			2018-2019			2017-2018		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
English Language	66	68	103%	79	77	97%	56	57	102%	41	42	102%	44	43	98%
English Literature*	85	25	29%	60	10	17%	55	10	18%	58	7	12%	56	20	36%
Research	33	33	100%	14	14	100%									
Seminar	18	18	100%	30	30	100%	38	38	100%						
<b>Total/Avg.</b>	<b>202</b>	<b>144</b>	<b>71%</b>	<b>183</b>	<b>131</b>	<b>72%</b>	<b>149</b>	<b>105</b>	<b>70%</b>	<b>99</b>	<b>49</b>	<b>49%</b>	<b>100</b>	<b>63</b>	<b>63%</b>

# Fine Arts



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# Fine Arts- 2022 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Music Theory	4.43	100%	29%	57%	100%	7	7
Studio Art: 2-D, 3-D, Drawing*	4.25	100%	25%	50%	100%	4	4
<b>Dept. Avg.</b>	<b>4.36</b>	<b>100%</b>	<b>27%</b>	<b>55%</b>	<b>100 %</b>		

\*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 Drawing & 2D Art this year - an average score across the 2 exams is shown here.

# Fine Arts- 5 Year Trend (Achievement)

AP Course	2021-2022		2020-2021		2019-2020		2018-2019		2017-2018	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Music Theory	4.4	100%	4.4	100%	5	100%	4.5	100%	3.7	89%
Studio Art: Drawing, 2D, 3D	4.5	100%	3.5	100%	3.5	100%	3.5	100%	3.4	86%
<b>Dept. Avg.</b>	<b>4.4</b>	<b>100%</b>	<b>4.1</b>	<b>100%</b>	<b>4.2</b>	<b>100%</b>	<b>4.0</b>	<b>100%</b>	<b>3.6</b>	<b>88%</b>

\* 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	2021-2022			2020-2021			2019-2020			2018-2019			2017-2018		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Music Theory	7	7	100%	11	10	91%	6	5	100%	6	6	100%	11	9	82%
Studio Art: 2-D, 3-D, Drawing*	3	4	75%	7	6	86%	6	6	100%	9	6	67%	10	7	70%
<b>Total/Avg.</b>	<b>10</b>	<b>11</b>	<b>91%</b>	<b>18</b>	<b>16</b>	<b>89%</b>	<b>12</b>	<b>11</b>	<b>92%</b>	<b>15</b>	<b>12</b>	<b>80%</b>	<b>21</b>	<b>16</b>	<b>76%</b>

\* 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- 2022 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Calculus AB	3.59	72.7%	9%	45%	69%	22	32
Calculus BC	4.39	89.5%	18%	66%	103%	38	37
Statistics	3.95	95.2%	33%	33%	86%	42	49
Dept. Avg.	4.04	88.24%	23%	48%	86%		

# Mathematics- 5 Year Trend (Achievement)

AP Course	2021-2022		2020-2021		2019-2020		2018-2019		2017-2018	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Calculus AB	3.6	73%	2.5	31%	3.6	80%	3.9	90%	3.0	57%
Calculus BC	4.4	90%	3.3	61%	4.2	96%	4.5	100%	3.8	86%
Statistics	4.0	95%	4.2	89%	4.2	92%	4.2	100%	4.0	88%
Dept. Avg.	<b>4.0</b>	<b>88%</b>	<b>3.5</b>	<b>60%</b>	<b>4.1</b>	<b>89%</b>	<b>4.3</b>	<b>97%</b>	<b>3.7</b>	<b>77%</b>

# Mathematics- 5 Year Trend (Exam Participation)

AP Course	2021-2022			2020-2021			2019-2020			2018-2019			2017-2018		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Calculus AB	32	22	69%	22	13	59%	27	10	37%	19	10	53%	24	14	58%
Calculus BC	37	38	103%	41	28	68%	33	25	76%	37	22	59%	38	36	95%
Statistics	49	42	86%	55	26	47%	41	26	63%	33	21	64%	38	25	66%
<b>Total/Avg.</b>	<b>118</b>	<b>102</b>	<b>86%</b>	<b>118</b>	<b>67</b>	<b>57%</b>	<b>101</b>	<b>61</b>	<b>60%</b>	<b>89</b>	<b>53</b>	<b>60%</b>	<b>100</b>	<b>75</b>	<b>75%</b>

# Practical Arts



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# Practical Arts- 2022 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Computer Science A	3.83	94%	33%	28%	95%	18	19
Computer Science Principles	4.00	85%	38%	38%	76%	13	17
Dept. Avg.	3.9	90%	35%	32%	86%		

# Practical Arts- 5 Year Trend (Achievement)

AP Course	2021-2022		2020-2021		2019-2020		2018-2019		2017-2018	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Computer Science A	3.8	94%	4.7	100%	4.8	100%	4.9	100%	4.8	100%
Computer Science Principles	4.0	85%	4.3	83%	*	*	4.0	100%	4.2	100%
<b>Dept. Avg.</b>	<b>3.9</b>	<b>90%</b>	<b>4.6</b>	<b>92%</b>	<b>4.8</b>	<b>100%</b>	<b>4.6</b>	<b>100%</b>	<b>4.4</b>	<b>100%</b>

\*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	2021-2022			2020-2021			2019-2020			2017-2018			2017-2018		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Computer Science A	19	18	95%	20	21	105%	19	19	100%	21	20	95%	9	9	100%
Computer Science Principles	17	13	85%	20	12	60%	4	4	100%	18	13	72%	21	18	86%
<b>Total/Avg.</b>	<b>36</b>	<b>31</b>	<b>86%</b>	<b>40</b>	<b>33</b>	<b>83%</b>	<b>23</b>	<b>23</b>	<b>100%</b>	<b>39</b>	<b>33</b>	<b>85%</b>	<b>30</b>	<b>27</b>	<b>90%</b>

Science



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# Science- 2022 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Participation	Tested	Course Enrollment
Biology	3.66	75%	15%	22%	75%	44	59
Chemistry	3.86	100%	14%	43%	100%	7	7
Environmental Science	3.64	96%	59%	5%	44%	22	50
Physics 1	2.52	46%	15%	6%	60%	54	90
Physics 2	*	*	*	*	7%	1	15
Physics C: E&M	3.82	82%	36%	36%	38%	11	29
Physics C: Mechanics	3.59	77%	18%	17%	35%	17	29
Dept. Avg.	3.27	68%	3%	19%	56%		

# Science- 5 Year Trend (Achievement)

AP Course	2021-2022		2020-2021		2019-2020		2018-2019		2017-2018	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Biology	3.7	86%	3.1	79%	3.7	88%	3.4	91%	3.2	85%
Chemistry	3.9	86%	3.9	100%	4.3	100%	3.9	100%	4.6	100%
Environmental Science	3.6	96%	3.7	89%	3.7	83%	3.5	80%	3.5	67%
Physics 1	2.5	46%	3.1	70%	2.9	58%	3.1	69%	3.1	63%
Physics 2	*	*	*	*	2.8	50%	*	*	*	*
Physics C: E&M	3.8	82%	3.4	80%	3.4	71%	4.0	80%	3.9	75%
Physics C: Mechanics	3.6	77%	3.6	83%	3.7	78%	4.6	100%	3.6	75%
<b>Dept. Avg.</b>	<b>3.3</b>	<b>68%</b>	<b>3.4</b>	<b>84%</b>	<b>3.4</b>	<b>75%</b>	<b>3.6</b>	<b>87%</b>	<b>3.3</b>	<b>78%</b>

# Science- 5 Year Trend (Exam Participation)

AP Course	2021-2022			2020-2021			2021-2020			2018-2019			2017-2018		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Biology	59	44	75%	60	28	47%	38	26	68%	59	43	68%	59	40	68%
Chemistry	7	7	100%	19	18	95%	12	12	100%	16	16	100%	7	7	100%
Enviro. Science	50	22	44%	51	9	18%	24	12	50%	26	10	38%	19	6	32%
Physics 1	90	54	60%	75	30	40%	89	50	56%	66	36	55%	89	49	55%
Physics 2	15	1	7%	15	1	7%	13	8	62%	17	3	18%	24	2	8%
Physics C: E&M	29	11	38%	31	5	16%	24	14	58%	27	10	37%	24	8	33%
Physics C: Mechanics	29	17	59%	31	12	39%	24	18	75%	27	16	59%	24	16	66%
<b>Total/Avg.</b>	<b>279</b>	<b>156</b>	<b>56%</b>	<b>251</b>	<b>103</b>	<b>41%</b>	<b>200</b>	<b>140</b>	<b>70%</b>	<b>215</b>	<b>134</b>	<b>62%</b>	<b>222</b>	<b>128</b>	<b>58%</b>

# Social Studies



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# Social Studies- 2022 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Exam Participation	Tested	Course Enrollment
Art History	3.56	77.8%	11%	33%	38%	9	24
Economics: Macro	2.21	33.3%	13%	13%	27%	24	89*
Economics: Micro	2.78	52.5%	23%	13%	45%	40	89*
European History	4.05	90.5%	29%	43%	75%	21	28
U.S. Gov. & Politics	3.18	68.4%	13%	26%	53%	38	72
U.S. History	3.82	84.7%	31%	36%	96%	85	89
World History	4.18	95.5%	32%	45%	96%	22	23
<b>Dept. Avg.</b>	<b>3.43</b>	<b>73%</b>	<b>24%</b>	<b>30%</b>	<b>75%</b>		

# Social Studies- 5 Year Trend (Achievement)

AP Course	2021-2022		2020-2021		2019-2020		2018-2019		2017-2018	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
Art History	3.6	38%	4.1	100%	3.7	100%	None	None	*	*
Economics: Macro*	2.2	27%	2.9	64%	*	*	2.4	38%	3.2	61%
Economics: Micro*	2.8	45%	3.5	77%	2.9	65%	3.4	65%	3.6	74%
European History	4.1	75%	4.0	94%	4.1	92%	2.8	50%	3.9	91%

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

AP Course	2021-2022		2020-2021		2019-2020		2018-2019		2017-2018	
	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%
Gov: U.S. Gov. & Politics*	3.2	68%	3.2	74%	3.6	84%	3.2	70%	3.4	72%
U.S. History	3.8	85%	3.8	87%	4.0	95%	3.6	85%	3.5	78%
World History	4.2	96%	4.1	89%	4.2	95%	4.3	96%	3.9	96%
<b>Dept. Avg.</b>	<b>3.4</b>	<b>73%</b>	<b>3.7</b>	<b>84%</b>	<b>3.8</b>	<b>88%</b>	<b>3.4</b>	<b>67%</b>	<b>3.5</b>	<b>79%</b>

\*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	2021-2022			2020-2021			2021-2020			2018-2019			2017-2018		
	Enrollment			Enrollment			Enrollment			Enrollment			Enrollment		
	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%	Course	Exam	%
Art History	24	9	38%	13	12	92%	10	7	70%				4	2	50%
Econ: Macro*	89	24	27%	50	11	22%	56	3	5%	80	24	30%	80	46	58%
Econ: Micro*	89	40	45%	50	13	26%	56	17	30%	80	20	25%	80	34	43%
European History	28	21	75%	21	17	81%	27	13	48%	15	6	40%	30	11	37%

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

AP Course	2021-2022			2020-2021			2019-2020			2018-2019			2017-2018		
	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%
Gov: U.S. Gov. & Politics*	72	38	53%	105	61	58%	76	43	57%	70	43	61%	78	60	77%
U.S. History	89	85	96%	97	92	95%	82	79	96%	91	85	93%	98	94	96%
World History	23	22	96%	24	26	108%	41	39	95%	27	26	96%	34	27	79%
<b>Total/Avg.</b>	<b>414</b>	<b>239</b>	<b>58%</b>	<b>310</b>	<b>232</b>	<b>75%</b>	<b>292</b>	<b>221</b>	<b>76%</b>	<b>283</b>	<b>240</b>	<b>85%</b>	<b>324</b>	<b>298</b>	<b>92%</b>

# World Languages



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# World Language- 2022 Results

AP Course	Average Score	Percent Scored 3+	Percent Scored 4	Percent Scored 5	Participation	Tested	Course Enrollment
French Language	3.75	88%	38%	25%	73%	8	11
Spanish Language	3.46	100%	31%	8%	100%	13	13
Dept. Avg.	3.57	95%	33%	14%	88%		

# World Languages- 5 Year Trend (Achievement)

AP Course	2021-2022		2020-2021		2019-2020		2018-2019		2017-2018	
	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+	Avg. Score	% Scores 3+
French Language	3.8	88%	2.9	75%	3.7	100%	4.2	100%	3.6	78%
Spanish Language	3.5	100%	3.8	100%	4.0	93%	4.1	100%	4.3	100%
Dept. Avg.	<b>3.6</b>	<b>95%</b>	<b>3.4</b>	<b>88%</b>	<b>3.9</b>	<b>97%</b>	<b>4.1</b>	<b>100%</b>	<b>4.0</b>	<b>89%</b>



# World Languages- 5 Year Trend (Exam Participation)

AP Course	2021-2022			2020-2021			2019-2020			2018-2019			2017-2018		
	Enrollment		%	Enrollment		%	Enrollment		%	Enrollment		%	Enrollment		%
	Course	Exam		Course	Exam		Course	Exam		Course	Exam		Course	Exam	
French Language	11	8	73%	12	8	67%	7	7	100%	10	6	60%	12	9	75%
Spanish Language	13	13	100%	15	9	60%	16	14	88%	13	10	77%	10	9	90%
<b>Total/Avg.</b>	<b>24</b>	<b>21</b>	<b>88%</b>	<b>27</b>	<b>17</b>	<b>63%</b>	<b>23</b>	<b>21</b>	<b>91%</b>	<b>23</b>	<b>16</b>	<b>70%</b>	<b>22</b>	<b>18</b>	<b>82%</b>

# Comparison to State and National Averages: 2022

Department	MLHS Dept. Average	NJ Average	National Average
English	4.23	3.37	3.16
Fine Arts	4.36	3.41	3.32
Math	4.04	3.36	3.16
Practical Arts	3.90	3.21	3.05
Science	3.27	3.16	2.99
Social Studies	3.43	3.03	2.81
World Language	3.57	3.35	3.33

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

	2021-2022	2020-2021	2019-2020	2018-2019	2017-2018
Number of Exams Taken	693	605	587	542	632
Total % Scored 3+	82%	85%	88%	84%	80%

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

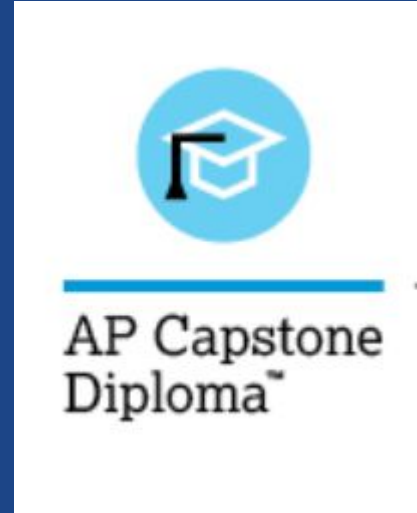
	2021-2022	2020-2021	2019-2020	2018-2019	2017-2018
Total AP Class Enrollment	956	948	803	773	819
Total # of Students Enrolled in AP Classes	317	346	310	272	299
Total Exams Taken/ Registered*	693	605	587	542	632
Participation Rate	73%	64%	73%	70%	77%

# Factors That Impact AP Registration

- May not get college credit
- Desire to take the class again in college
- 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
- Cost

# AP Honors: 2022

- AP Scholar: 42 students
- AP Scholar with Honor: 22 students
- AP Scholar with Distinction: 78 students
- AP Capstone Diploma: 26 students
- AP Seminar & Research Certificate: 9 students



# 2023 AP Testing

- Combination of paper-and-pencil and digital
- Testing will occur over two weeks, May 1–5 and May 8–12
- Registration will close on 11/7. Late registration is open through March (\$40)
- Students have until 3/1 to cancel an exam

Questions?