

Hanover High School

Standardized Assessment Results

Appendix F

2021-2022 School Year

1. Advanced Placement

- a. Overview
- b. Enrollment and Trends
- c. Results by Department - Hanover, State, Neighbors, DART
- d. Results by Course - Hanover, State, Global

2. SAT

- a. Overview
- b. Results - Hanover, State, Global

Data Sources

AP and SAT data obtained from CollegeBoard and MA DESE

<https://scores.collegeboard.org/>

<https://profiles.doe.mass.edu/>

1a.

AP - Overview

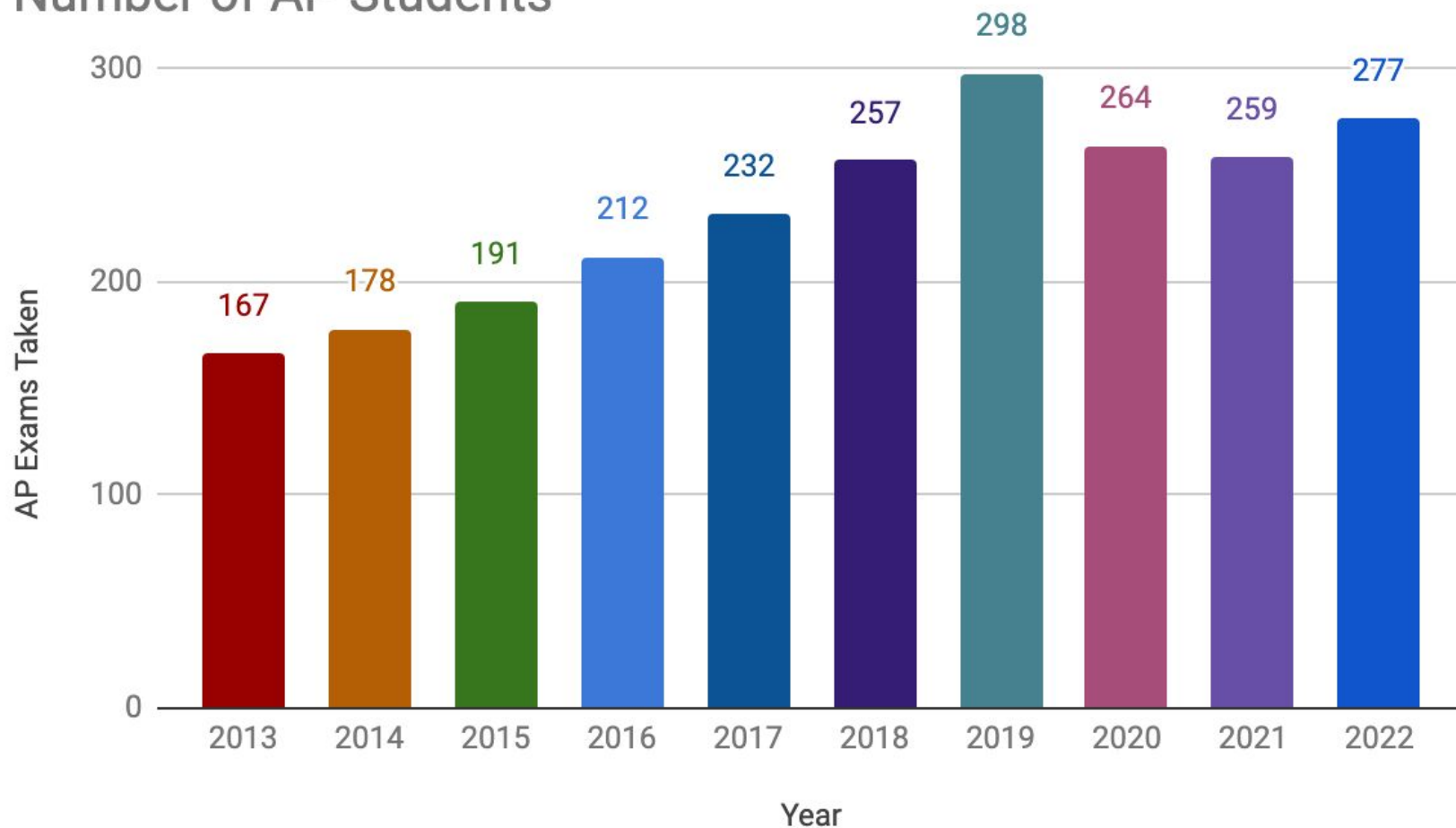
- Overview of Advanced Placement
 - Students enrolled in AP classes take the exam in May
 - Multiple choice and open response (essay or problem solving)
 - Some colleges may grant credit or waive requirements
 - National standardized test for students enrolled in AP classes
 - Scores are weighted and scaled 1-5, with 5 being the highest
 - Scores of 3, 4, or 5 are considered “qualifying scores”

1b.

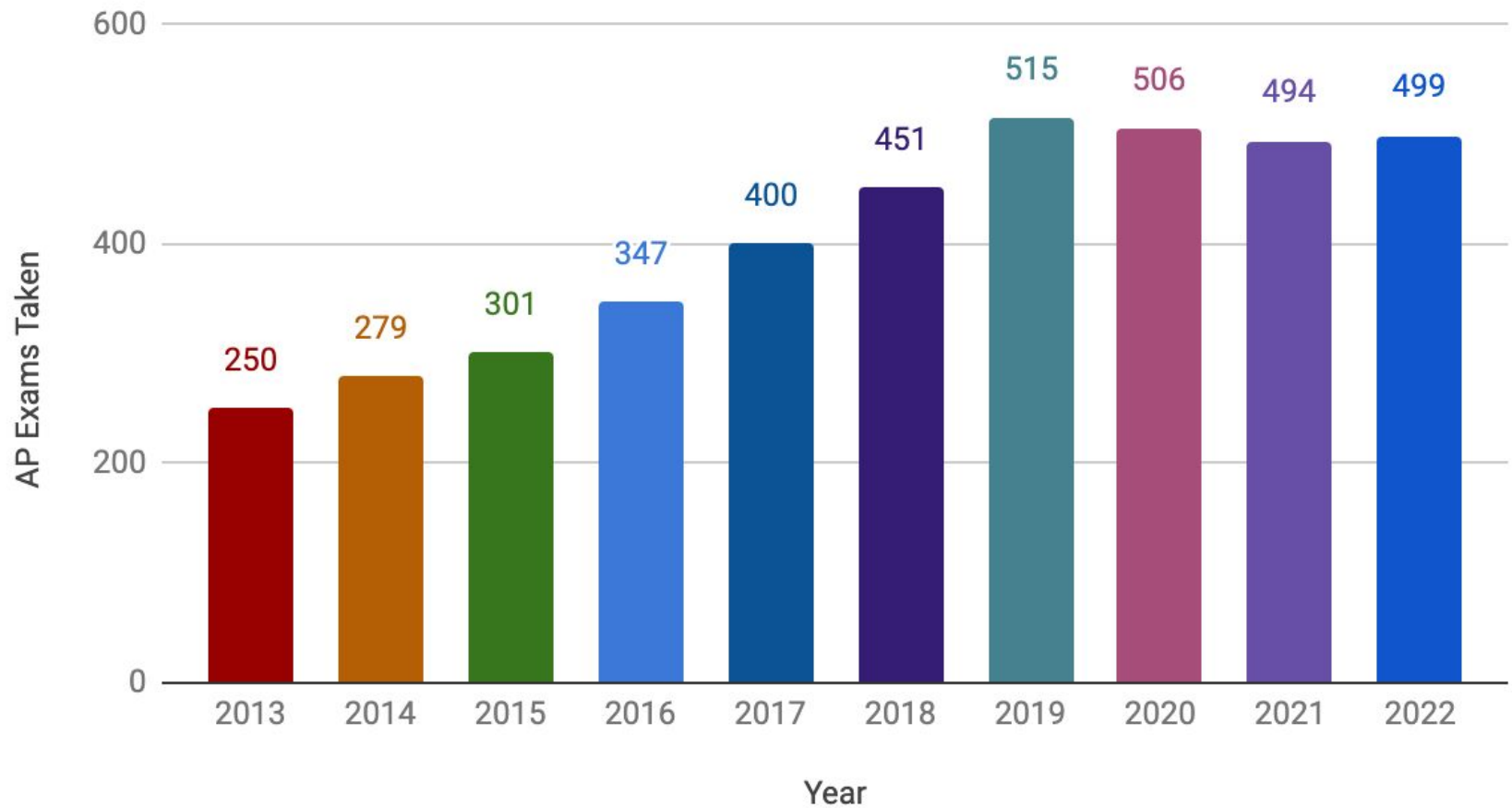
AP - Enrollment & Trends

- AP Program Enrollment
 - AP Students
 - AP Exams
 - Breakdown of Students and Exams by Graduation Year
- AP Qualifying Scores
 - % of Exams with Score 3+
 - % of Students with Score 3+

Number of AP Students



Number of AP Exams

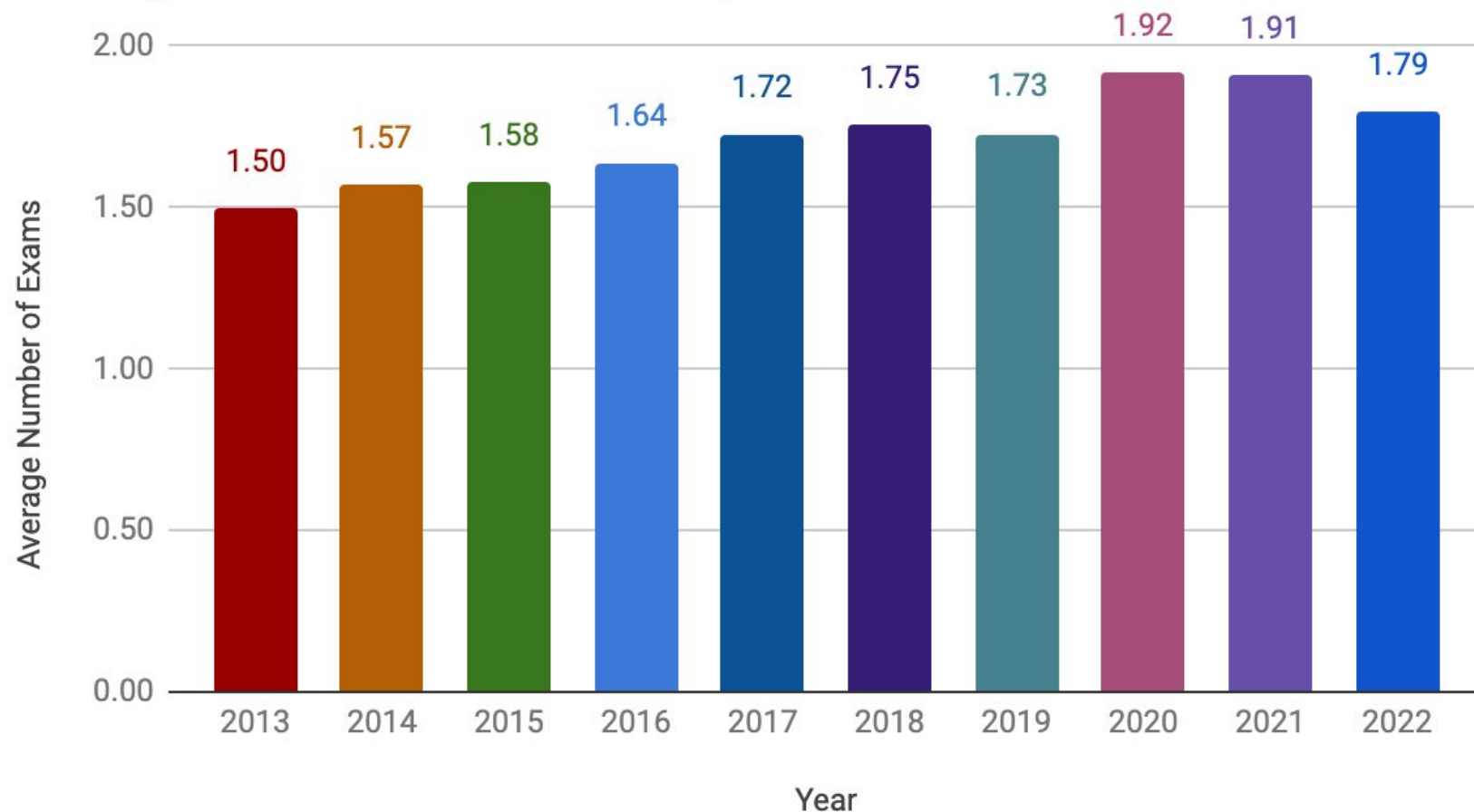


2022 AP Exams

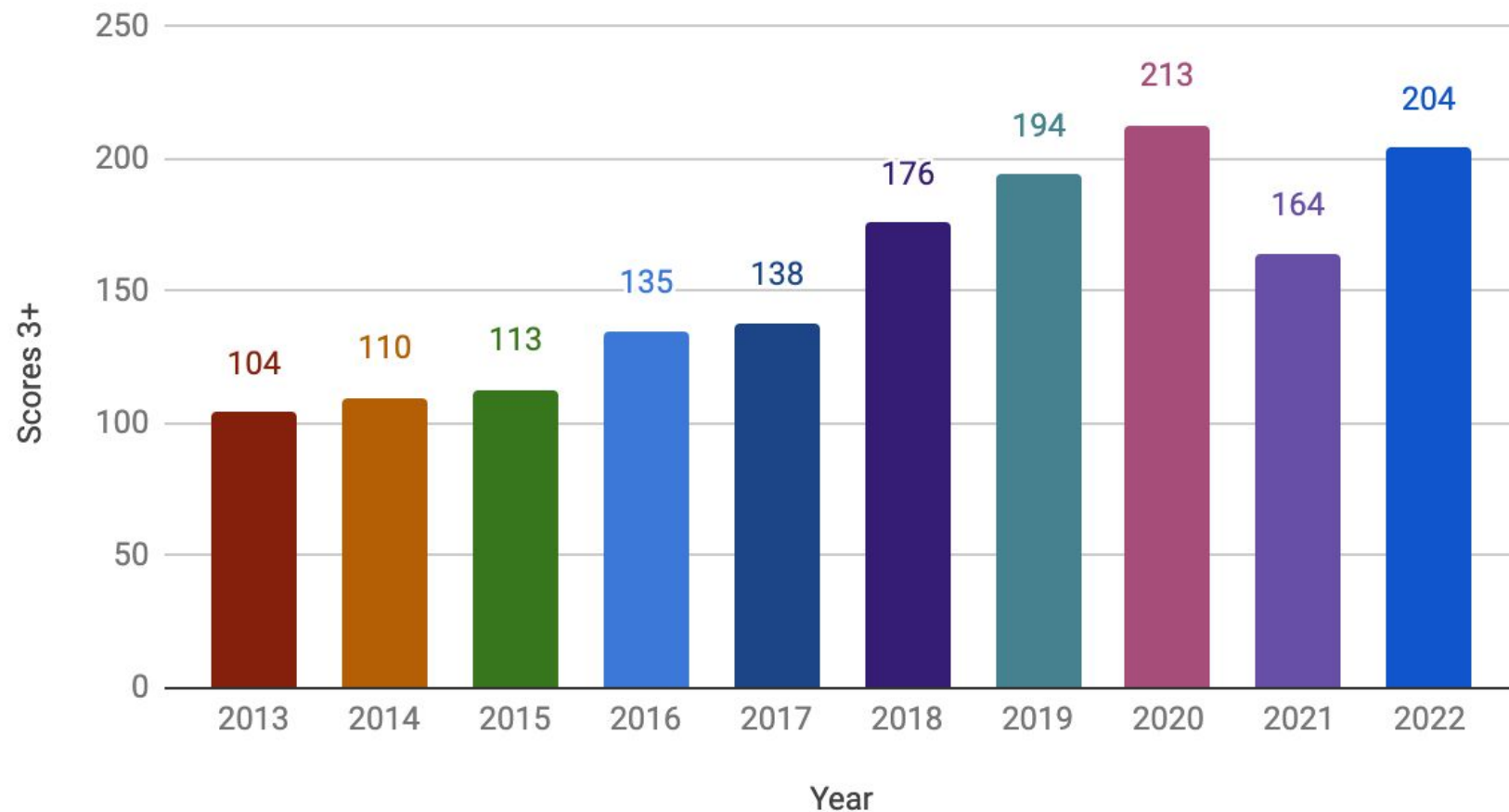
By Graduating Class & Number of Exams

Exams	Seniors	Juniors	Sophomores	Freshmen	Total Students	Total Exams
1	40	31	52	6	129	129
2	31	40	16	0	87	174
3	21	18	5	0	44	132
4	10	2	0	0	12	48
5	1	1	0	0	2	10
6	0	1	0	0	1	6
Totals	103	93	73	6	275	499

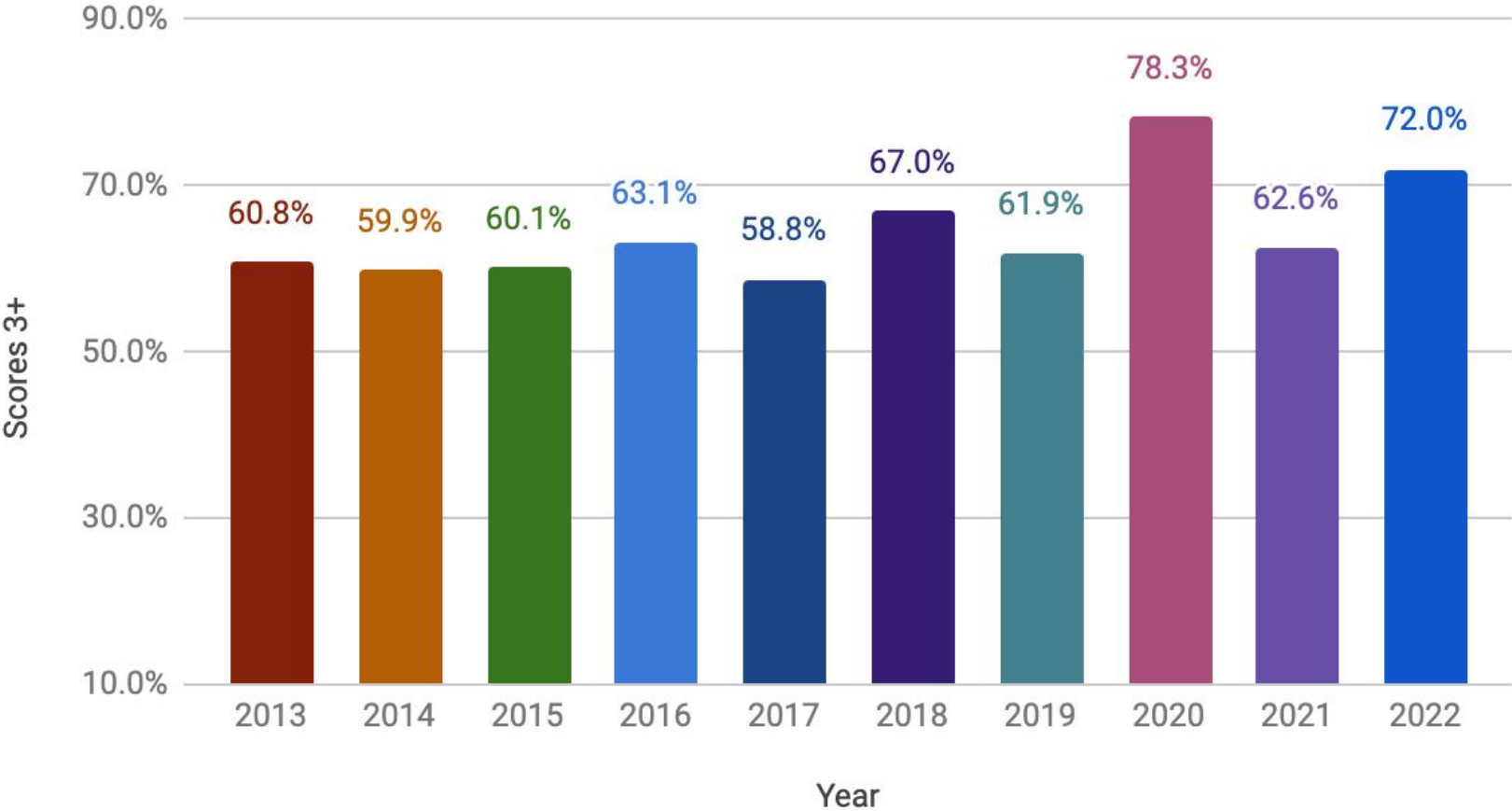
Average Number of AP Exams per AP Student



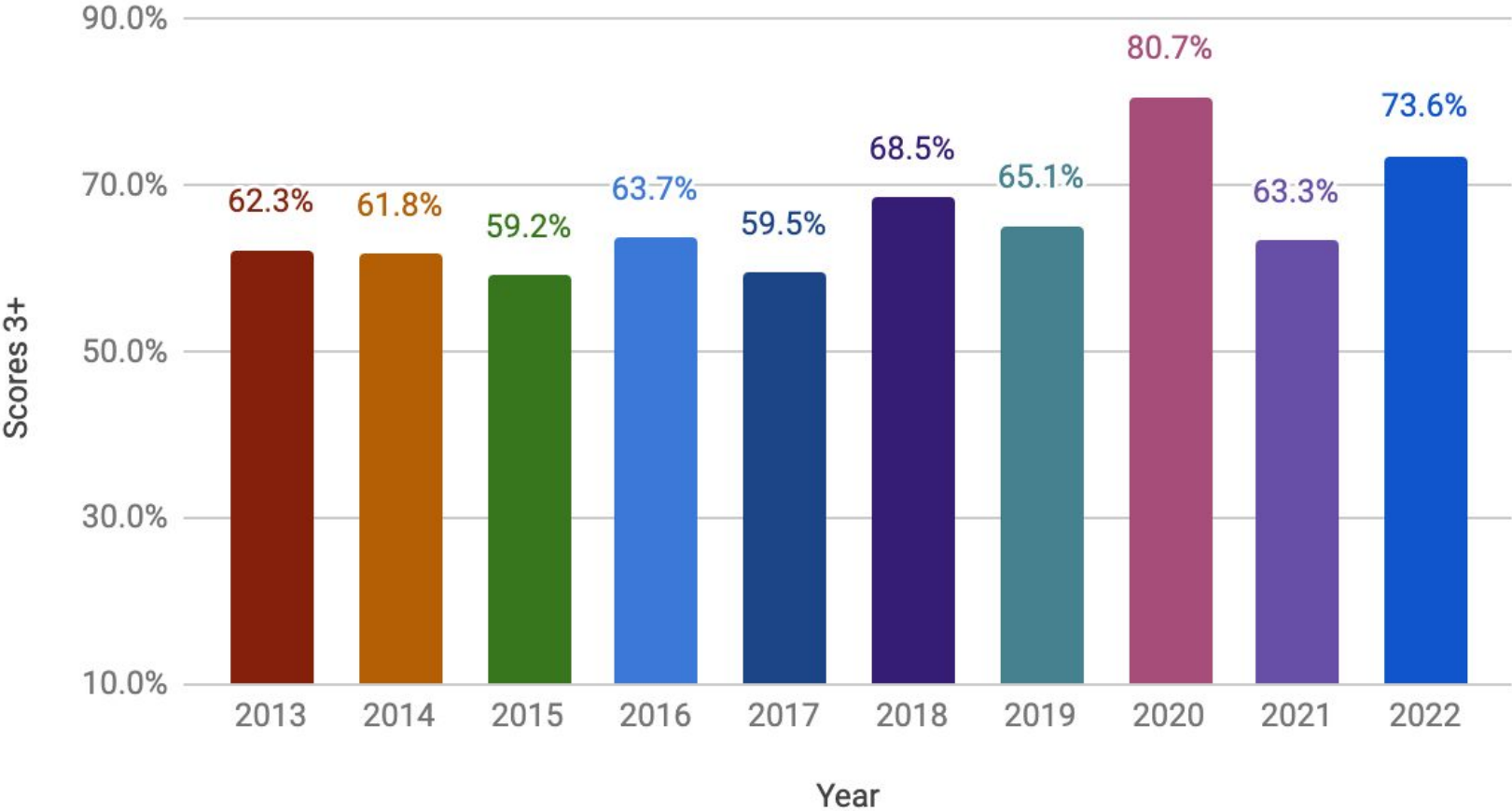
AP Students with Scores 3+



Percent of Exams with Scores 3+



Percent of Students with Scores 3+



1c.

AP - % of Exams with Qualifying Scores by Department

- 2020 Results - Hanover, Neighbors, DART, and State Average
 - All Subjects
 - Subjects by Department
 - **Art** - 3D Studio, Drawing, Music Theory
 - **English** - Language, Literature
 - **Foreign Languages** - French, Spanish
 - **Science** - Biology, Chemistry, Environmental, Physics
 - **History** - Government, Psychology, U.S., World
 - **Math** - Calculus AB, Calculus BC, CS A Java, CS Principles

1c.

AP - % of Exams with Qualifying Scores by High School

Neighboring High Schools

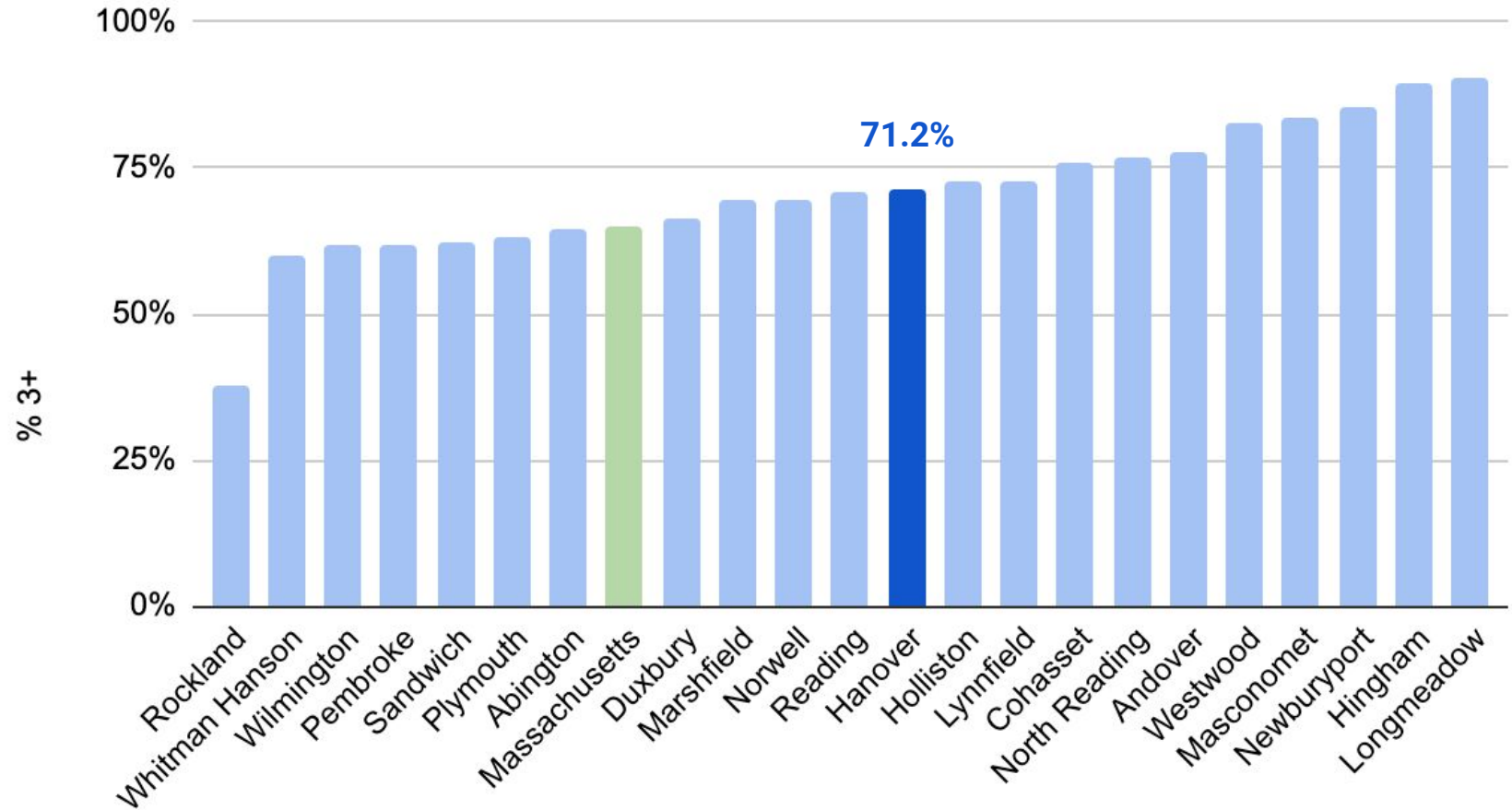
- Abington (548)
- Cohasset (431)
- Duxbury (927)
- Hanover (709)
- Hingham (1167)
- Marshfield (1190)
- Norwell (602)
- Pembroke (733)
- Plymouth (1028)
- Rockland (608)
- Whitman Hanson (1093)

DART Schools

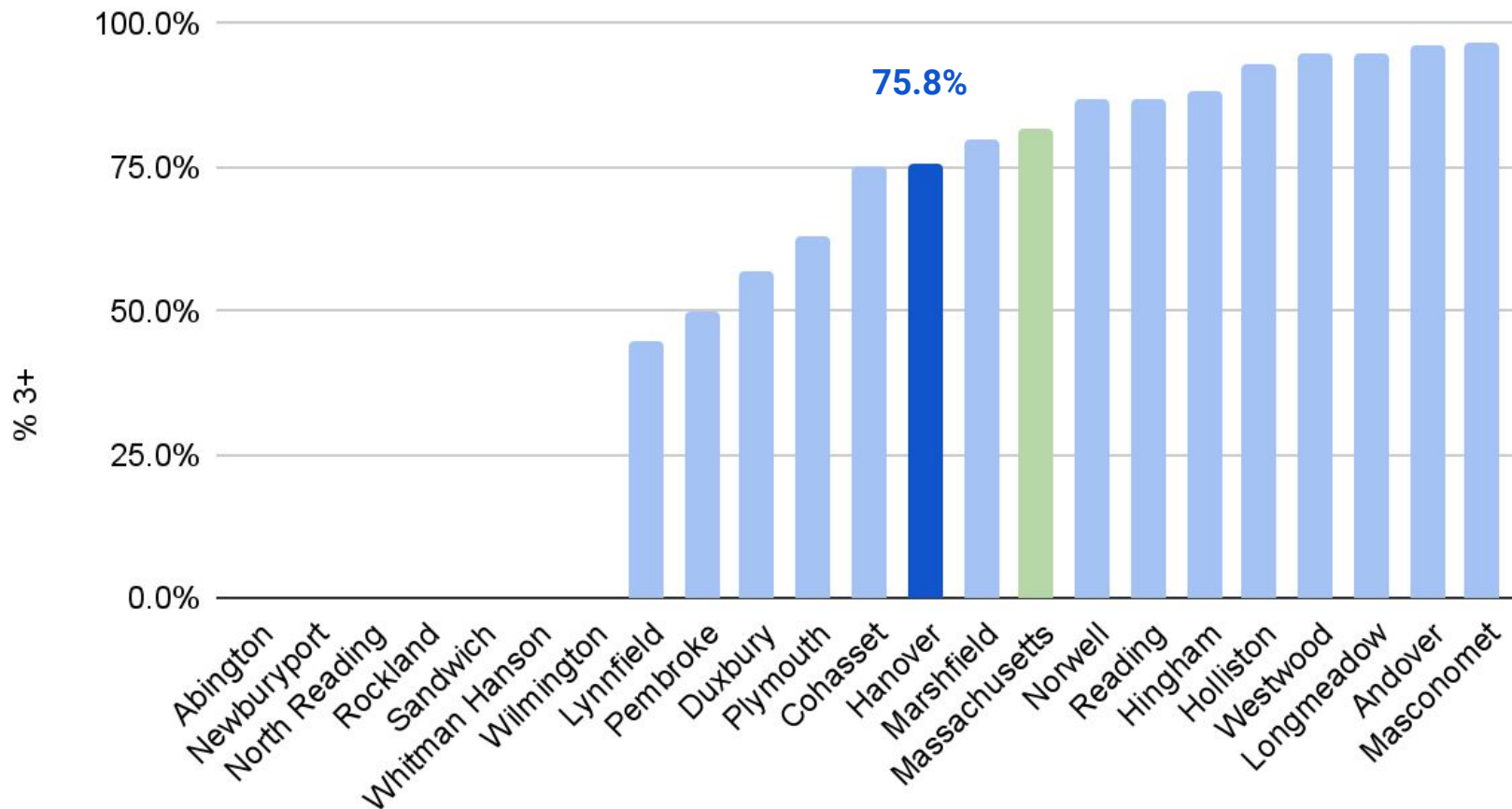
- Andover (1679)
- Holliston (812)
- Longmeadow (911)
- Lynnfield (564)
- Masconomet (1047)
- Newburyport (784)
- North Reading (639)
- Reading (1135)
- Sandwich (611)
- Westwood (952)
- Wilmington (656)

High School	All Subjects			Arts		English		Languages		History		Math		Science	
	Enrollment	Tests	% 3+	Tests	% 3+	Tests	% 3+	Tests	% 3+	Tests	% 3+	Tests	% 3+	Tests	% 3+
Abington	548	149	64.4%	1	-	68	66.2%	-	-	36	38.9%	28	82.1%	16	81.3%
Andover	1679	1,005	77.5%	1	-	295	78.3%	55	96.4%	224	69.2%	147	98.0%	283	68.9%
Cohasset	447	399	75.7%	-	-	111	83.8%	20	0.75	123	0.87	91	69.2%	54	44.4%
Duxbury	959	656	66.3%	15	99.9%	105	82.9%	63	57.1%	338	56.8%	53	64.2%	82	86.6%
Hanover	709	496	71.2%	19	52.6%	34	85.3%	33	75.8%	211	69.7%	72	79.2%	127	66.9%
Hingham	1286	550	89.6%	12	66.7%	92	96.7%	68	88.2%	116	92.2%	151	90.7%	92	79.3%
Holliston	812	448	72.5%	6	-	68	89.7%	28	92.9%	151	68.2%	66	62.1%	129	69.8%
Longmeadow	911	323	90.4%	16	87.5%	57	96.5%	19	94.7%	59	96.6%	71	91.5%	101	82.2%
Lynnfield	564	378	72.5%	8	-	83	86.7%	29	44.8%	136	63.2%	70	75.7%	52	80.8%
Marshfield	1220	469	69.5%	22	86.4%	59	83.1%	20	80.0%	201	68.2%	67	74.6%	100	55.0%
Masconomet	1047	525	83.6%	17	0.999	43	0.93	30	96.7%	151	86.8%	144	81.9%	140	74.3%
Newburyport	784	373	85.3%	12	83.3%	101	88.1%	2	-	109	80.7%	82	84.1%	67	89.6%
North Reading	639	321	76.9%	-	-	62	0.79	5	-	97	85.6%	76	67.1%	81	74.1%
Norwell	602	456	69.7%	17	99.9%	45	88.9%	38	86.8%	228	60.1%	61	58.2%	67	82.1%
Pembroke	808	461	61.8%	13	92.3%	66	74.2%	18	0.5	155	65.2%	122	58.2%	87	49.4%
Plymouth	1028	484	63.2%	-	-	125	75.2%	19	63.2%	166	62.0%	70	71.4%	96	43.8%
Reading	1135	593	70.8%	5	-	62	95.2%	38	86.8%	171	65.5%	157	65.6%	160	67.5%
Rockland	608	206	37.9%	-	-	49	69.4%	-	-	65	23.1%	41	34.1%	43	16.3%
Sandwich	611	328	62.2%	-	-	56	80.4%	3	-	120	54.2%	82	73.2%	67	46.3%
Westwood	952	791	82.9%	25	99.9%	86	95.3%	37	94.6%	388	80.2%	99	83.8%	156	76.9%
Whitman Hanson	1117	370	60.0%	-	-	96	58.3%	6	-	130	66.2%	42	54.8%	96	55.2%
Wilmington	656	398	61.8%	-	-	82	72.0%	2	-	172	65.1%	91	45.1%	50	62.0%

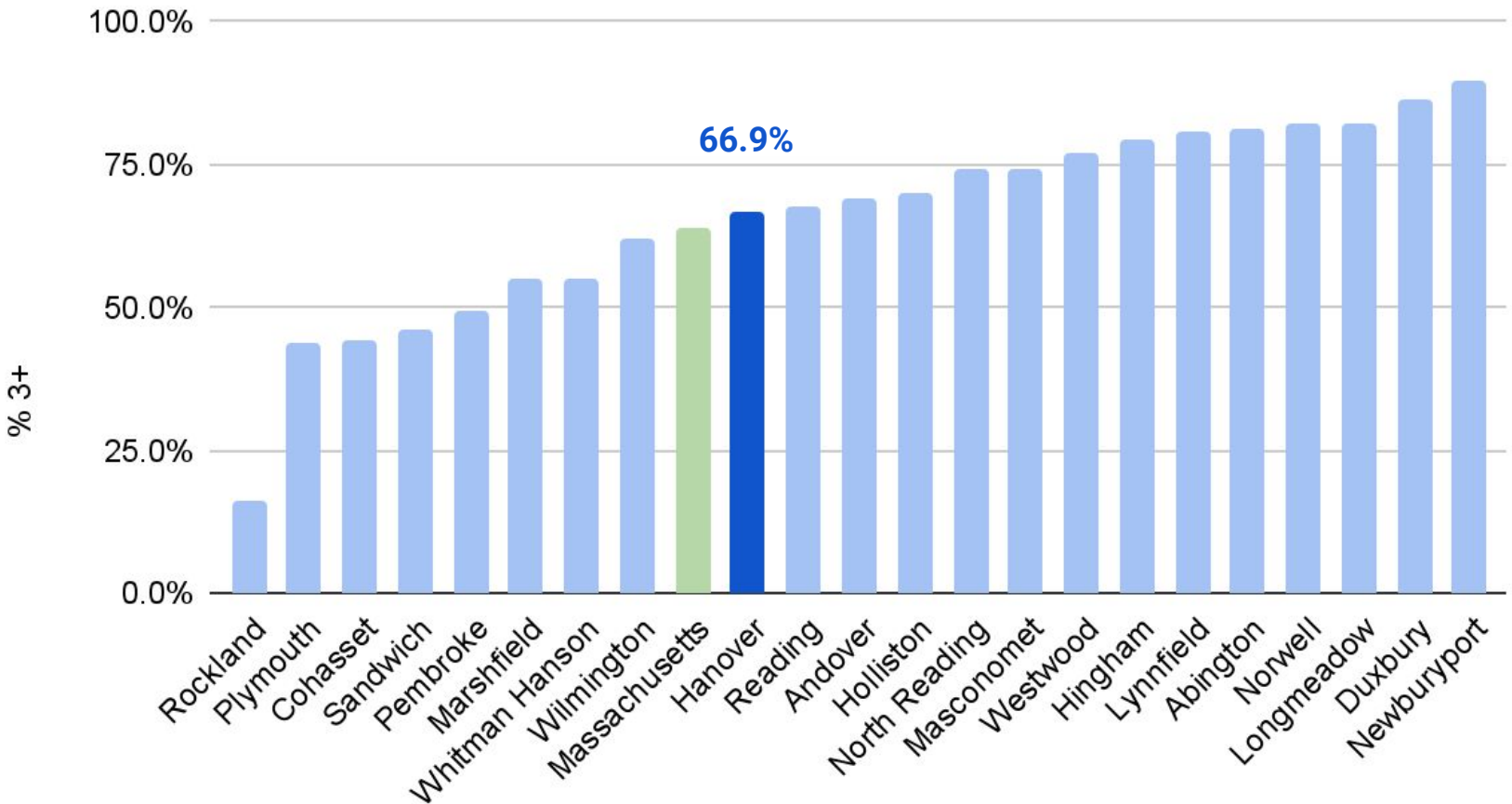
All Subjects - Percent of Exams with a Score of 3+



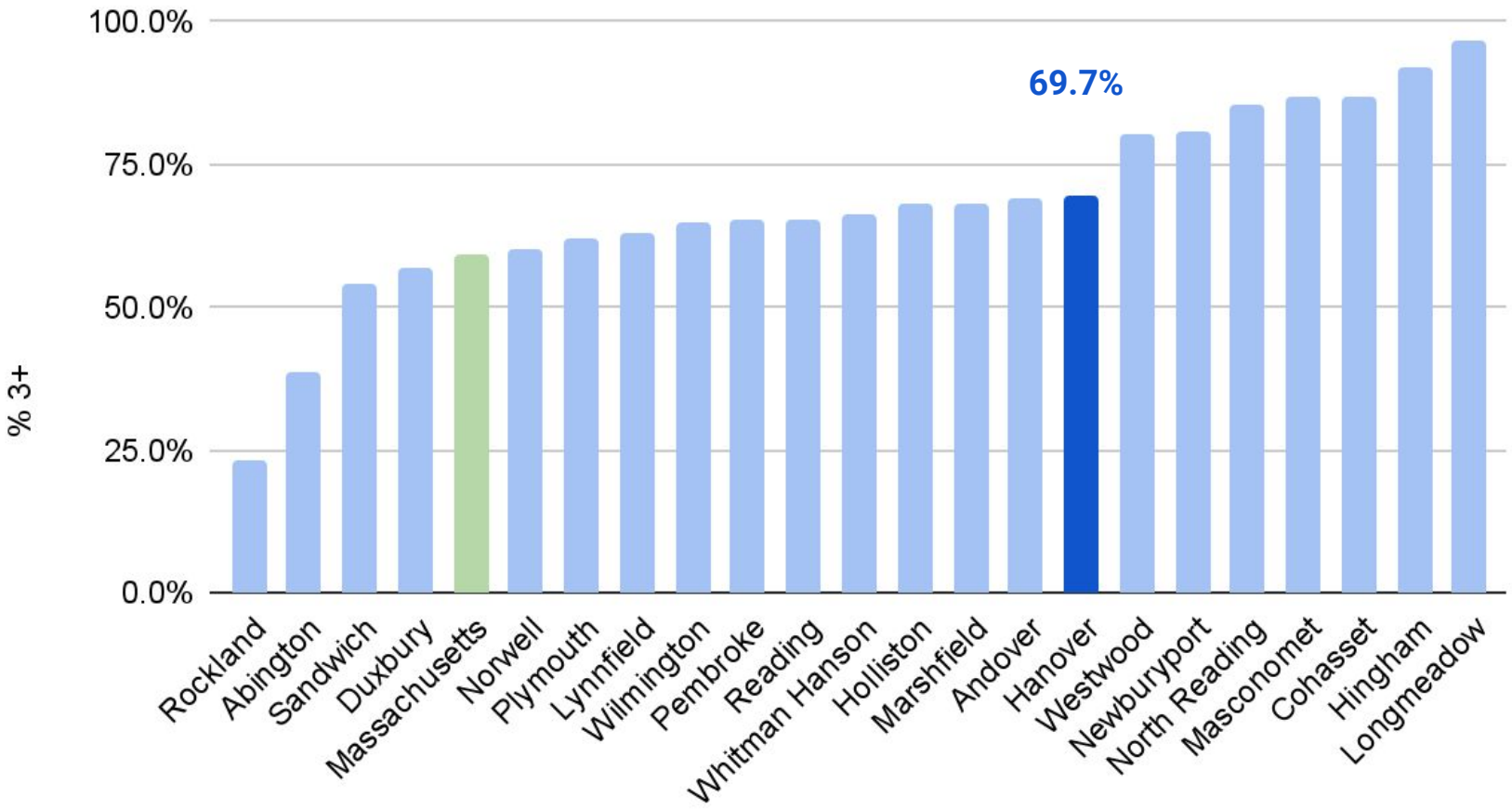
World Languages - Percent of Exams with a Score of 3+



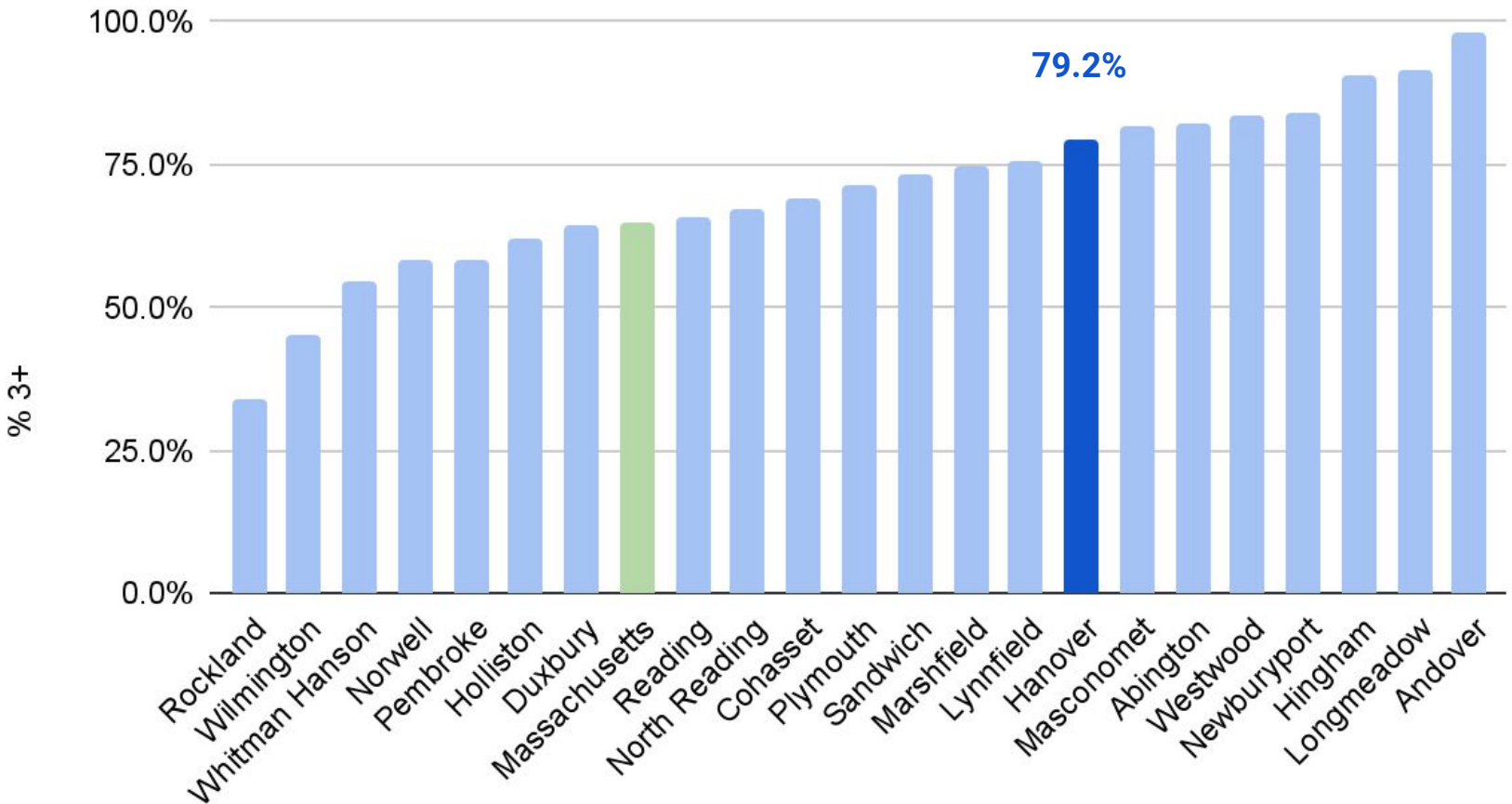
Science - Percent of Exams with a Score of 3+



History - Percent of Exams with a Score of 3+



Math - Percent of Exams with a Score of 3+



1d.

AP - Summary of Results by Exam - Hanover, State, Global

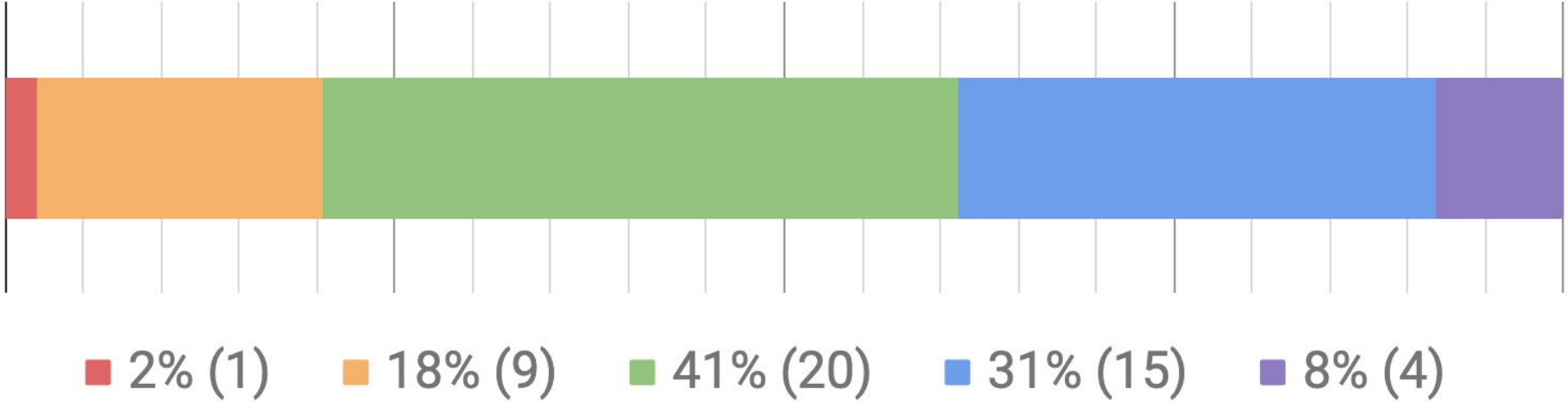
- Biology
- Calculus AB
- Calculus BC
- Chemistry
- CS A Java
- CS Principles
- English Language
- English Literature
- Environmental
- French
- Music Theory
- Physics 1
- Physics 2
- Psychology
- Spanish
- Studio Art - 3D Design
- Studio Art - Drawing
- US Government
- US History
- World History

Note: **Historical** represents the average for HHS students taking that exam, when offered 2010-2022.

Biology

Enrollment: 49

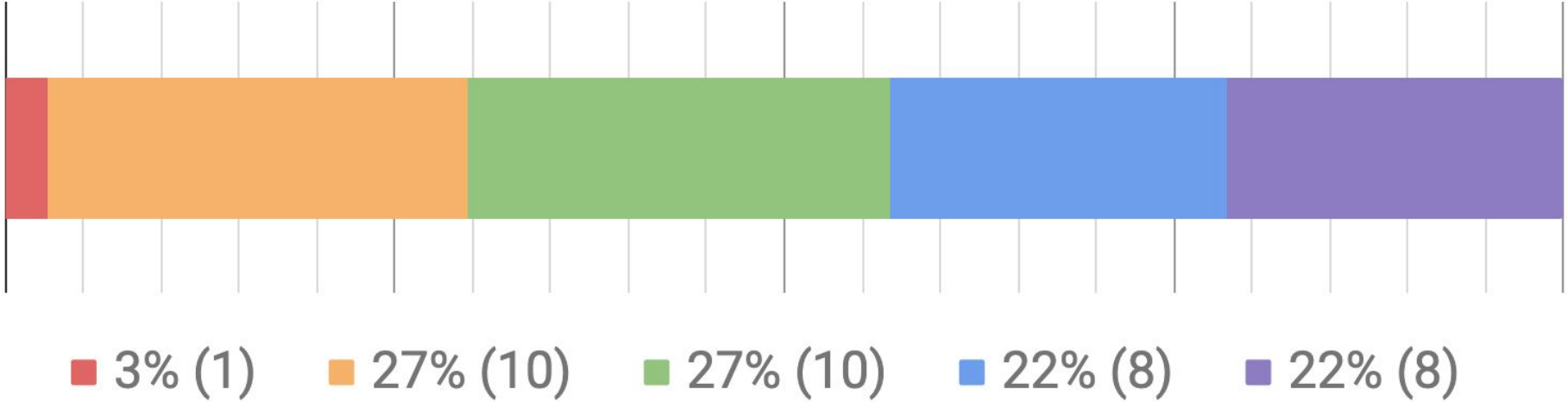
	Hanover	State	Global	Historical
Average Score	3.24	3.33	3.11	2.73
% of Scores 3+	79.6%	74.0%	67.9%	58.2%



Calculus AB

Enrollment: 37

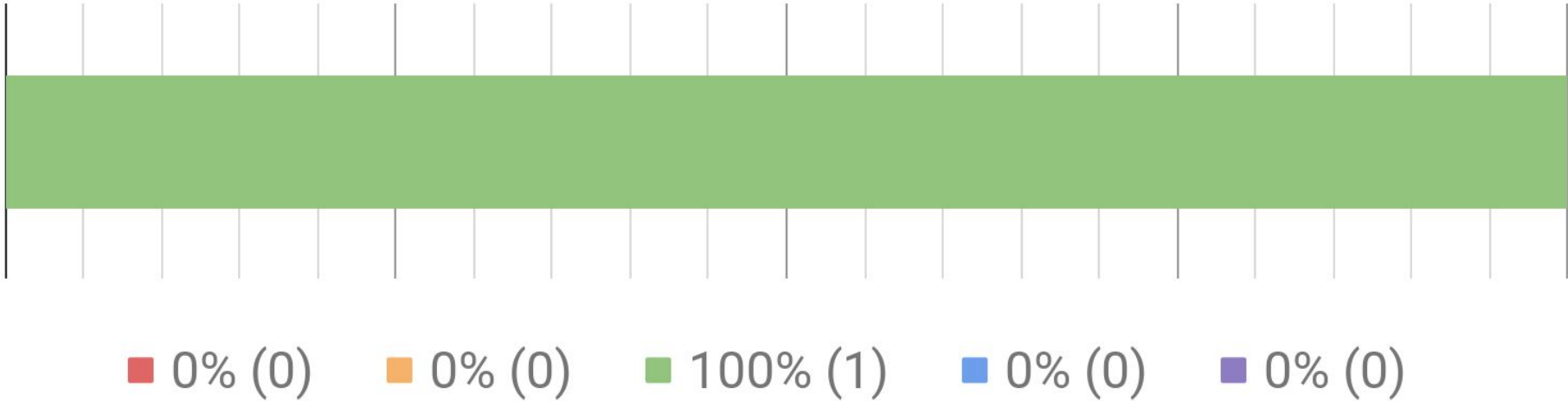
	Hanover	State	Global	Historical
Average Score	3.32	2.98	2.91	3.49
% of Scores 3+	70.3%	57.8%	57.8%	74.8%



Calculus BC

Enrollment: 1

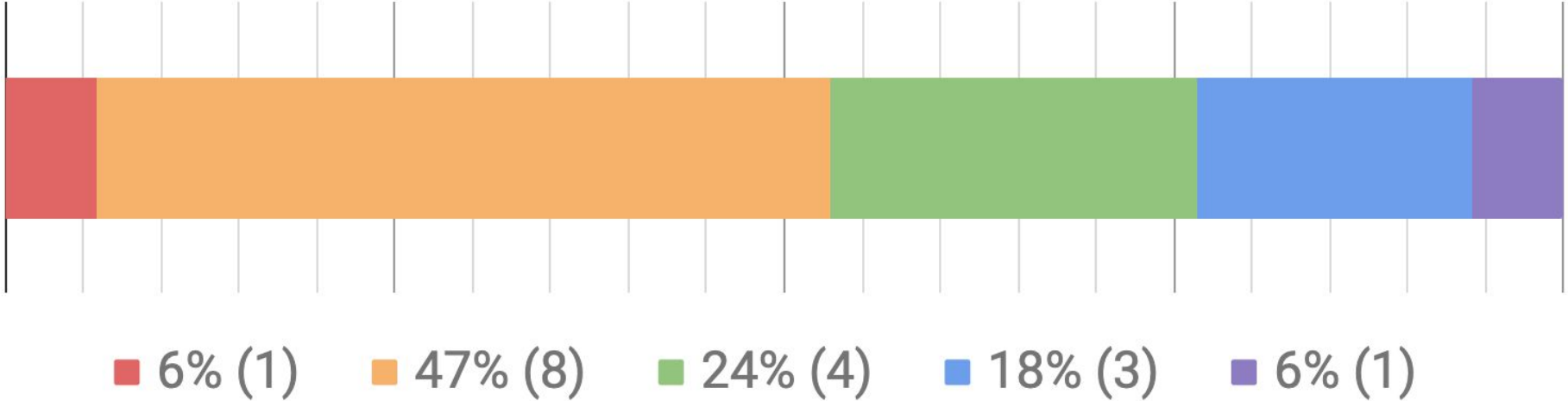
	Hanover	State	Global	Historical
Average Score	3.00	3.33	3.11	3.67
% of Scores 3+	100.0%	79.6%	67.9%	91.7%



Chemistry

Enrollment: 17

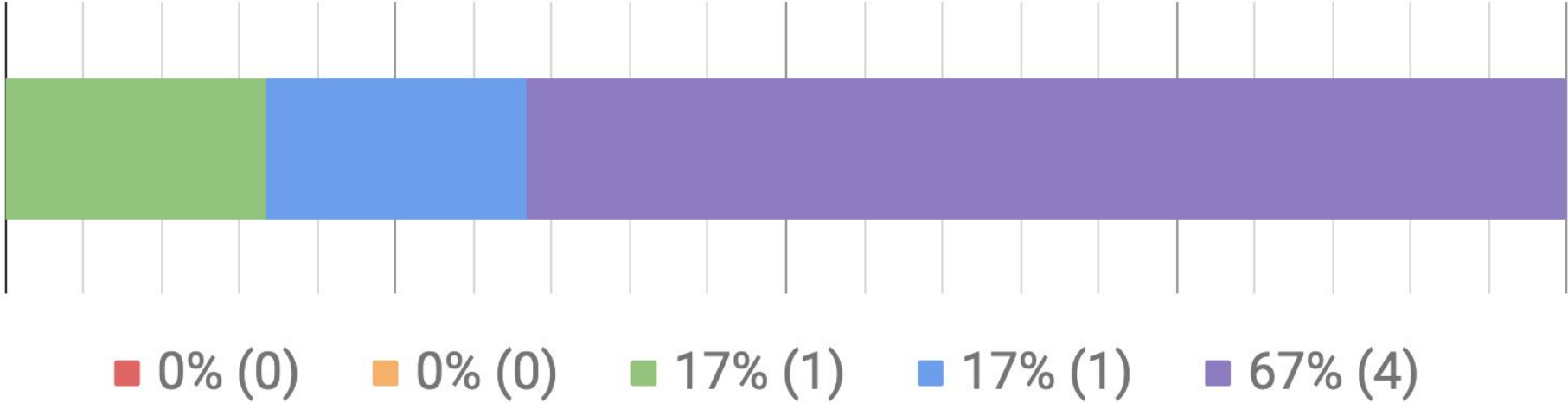
	Hanover	State	Global	Historical
Average Score	2.71	3.01	2.73	2.75
% of Scores 3+	47.1%	61.8%	53.9%	59.3%



CS A Java

Enrollment: 6

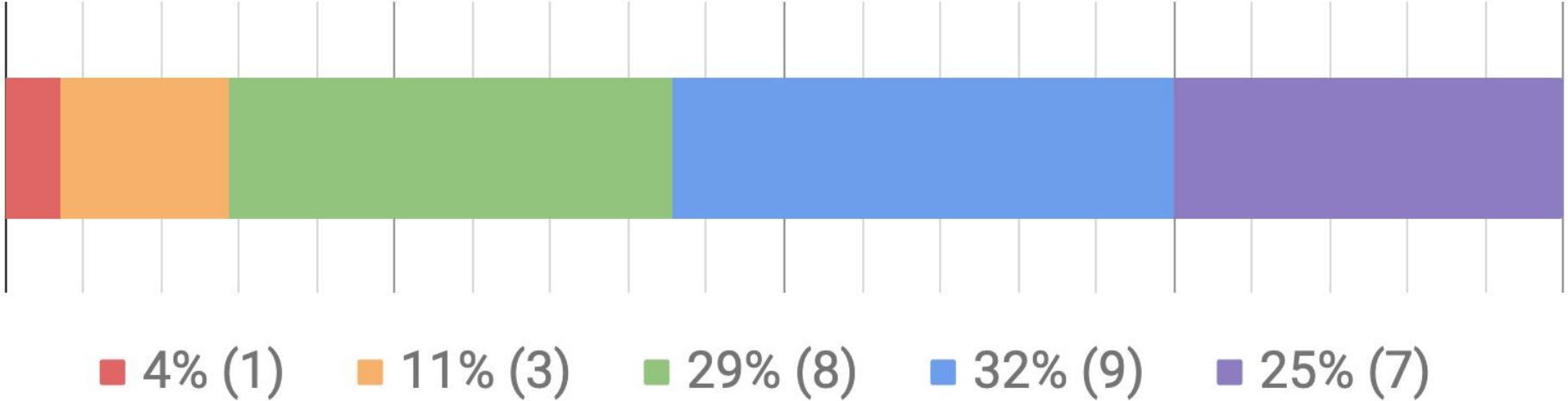
	Hanover	State	Global	Historical
Average Score	4.50	3.39	3.20	3.76
% of Scores 3+	100.0%	72.2%	67.6%	81.6%



CS Principles

Enrollment: 28

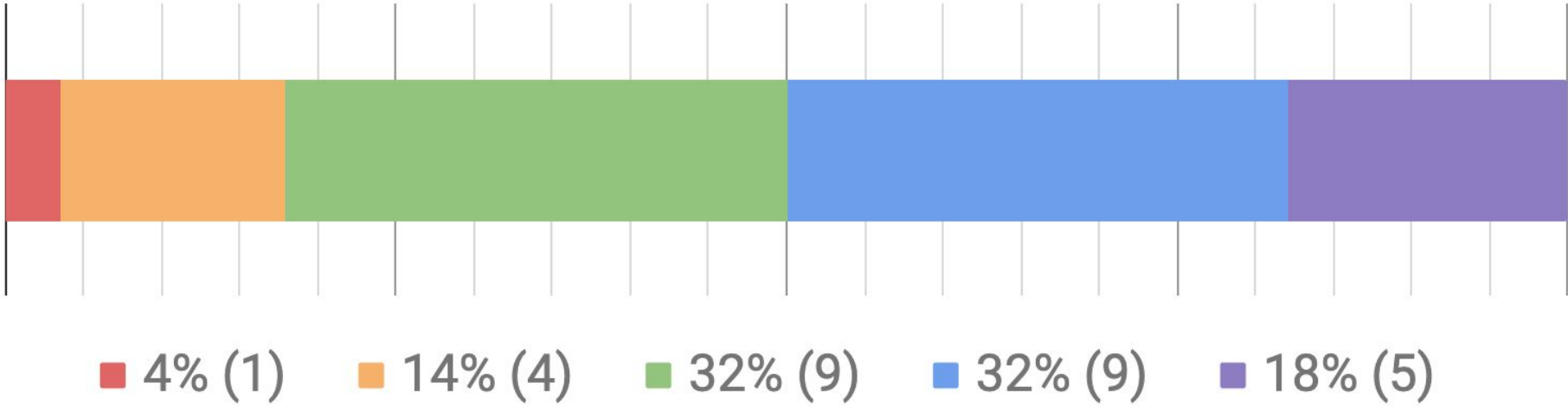
	Hanover	State	Global	Historical
Average Score	3.64	3.09	2.91	3.41
% of Scores 3+	85.7%	69.4%	63.5%	81.4%



English Language

Enrollment: 28

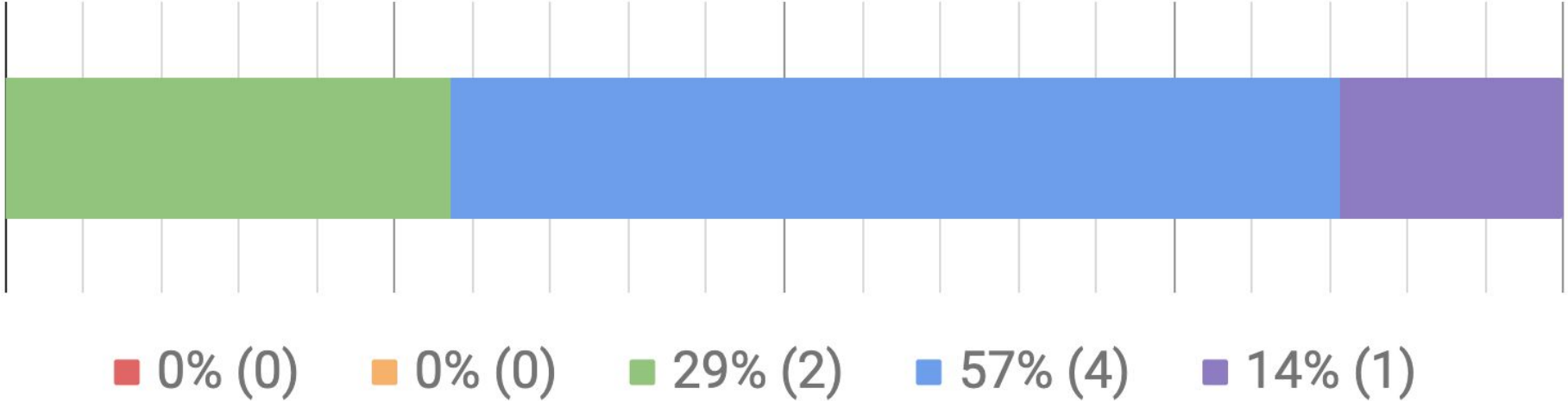
	Hanover	State	Global	Historical
Average Score	3.46	3.05	2.83	3.28
% of Scores 3+	82.1%	63.8%	55.7%	74.5%



English Literature

Enrollment: 7

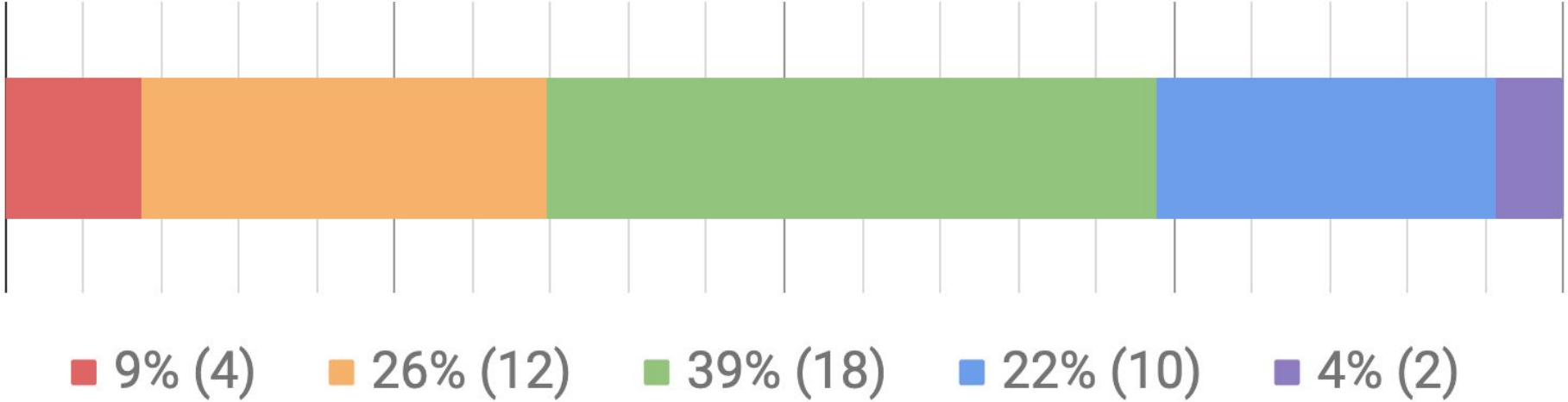
	Hanover	State	Global	Historical
Average Score	3.86	3.52	3.31	2.92
% of Scores 3+	100.0%	83.3%	77.9%	62.2%



Environmental

Enrollment: 46

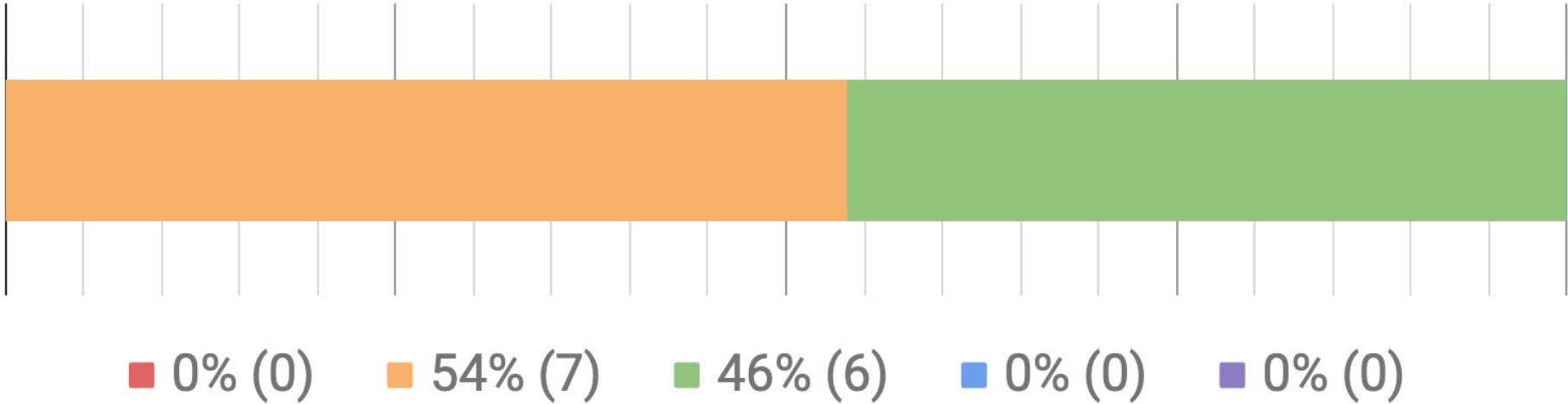
	Hanover	State	Global	Historical
Average Score	2.87	2.93	2.80	2.33
% of Scores 3+	65.2%	58.3%	54.1%	39.4%



French

Enrollment: 13

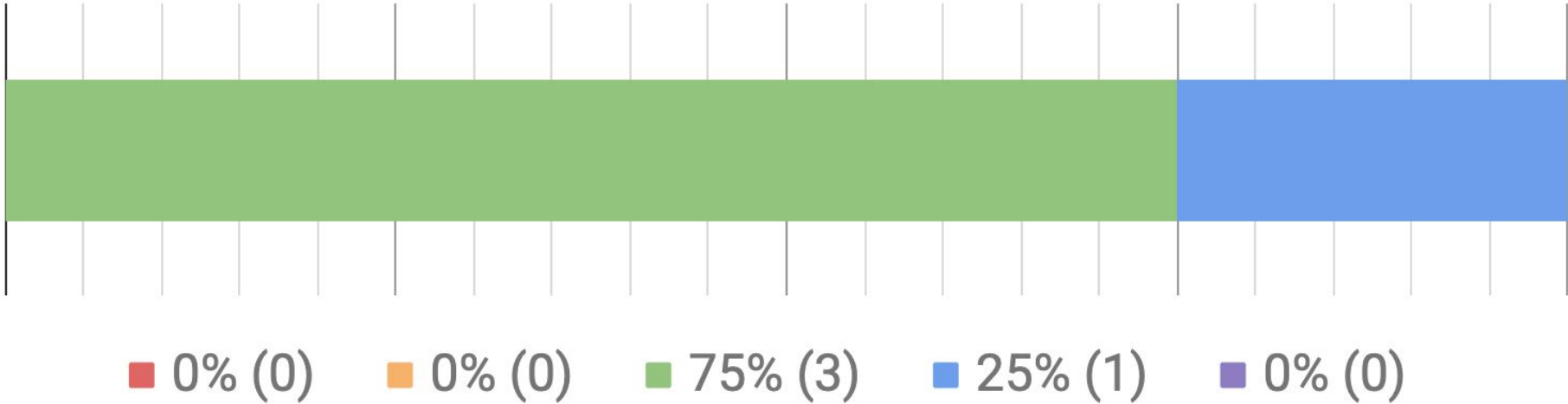
	Hanover	State	Global	Historical
Average Score	2.46	3.45	3.16	2.60
% of Scores 3+	46.2%	81.7%	71.7%	54.1%



Music Theory

Enrollment: 2

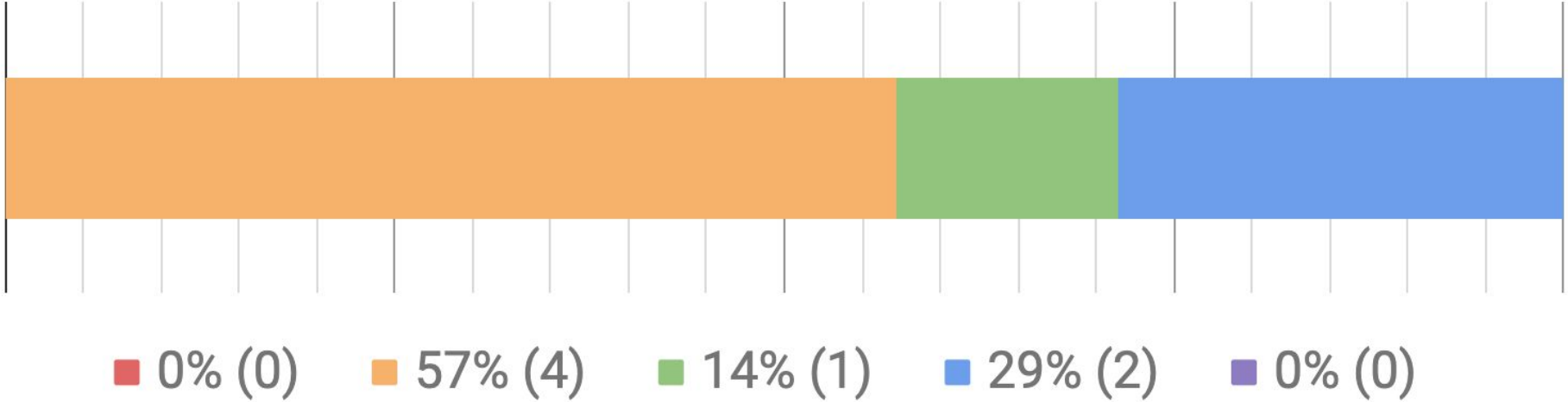
	Hanover	State	Global	Historical
Average Score	4.50	3.32	3.03	3.46
% of Scores 3+	100.0%	71.6%	61.9%	76.1%



Physics 1

Enrollment: 7

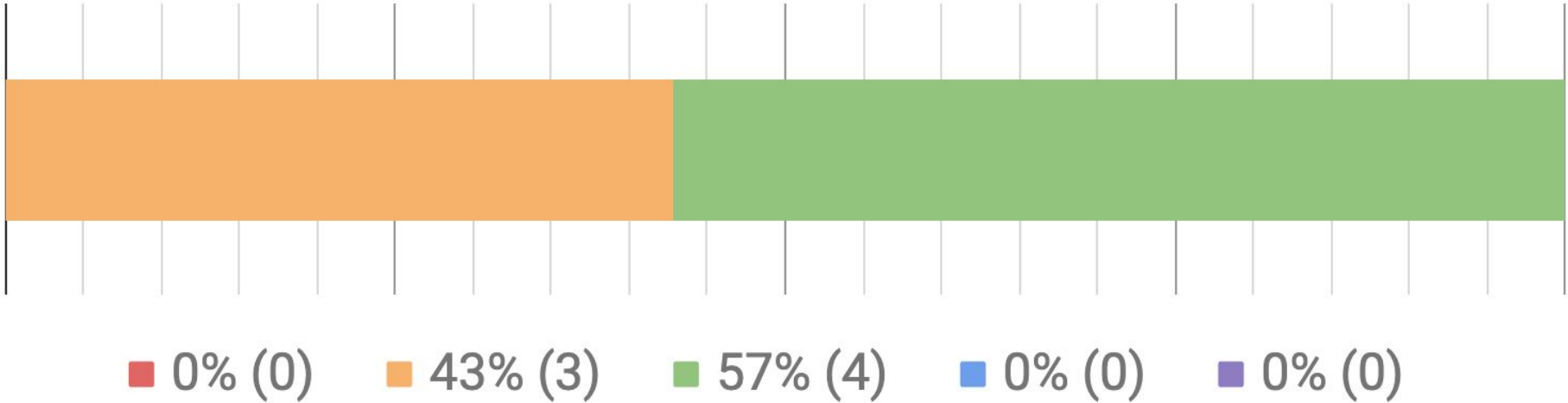
	Hanover	State	Global	Historical
Average Score	2.71	2.54	2.47	2.55
% of Scores 3+	42.9%	45.9%	43.3%	50.5%



Physics 2

Enrollment: 7

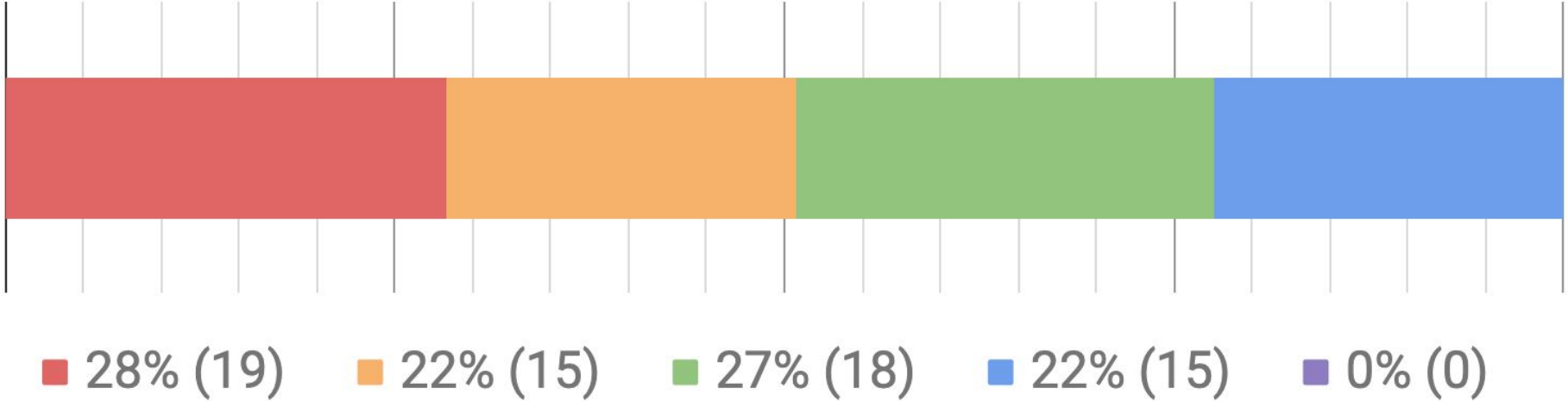
	Hanover	State	Global	Historical
Average Score	2.57	3.16	3.14	2.62
% of Scores 3+	57.1%	70.4%	69.7%	55.2%



Psychology

Enrollment: 67

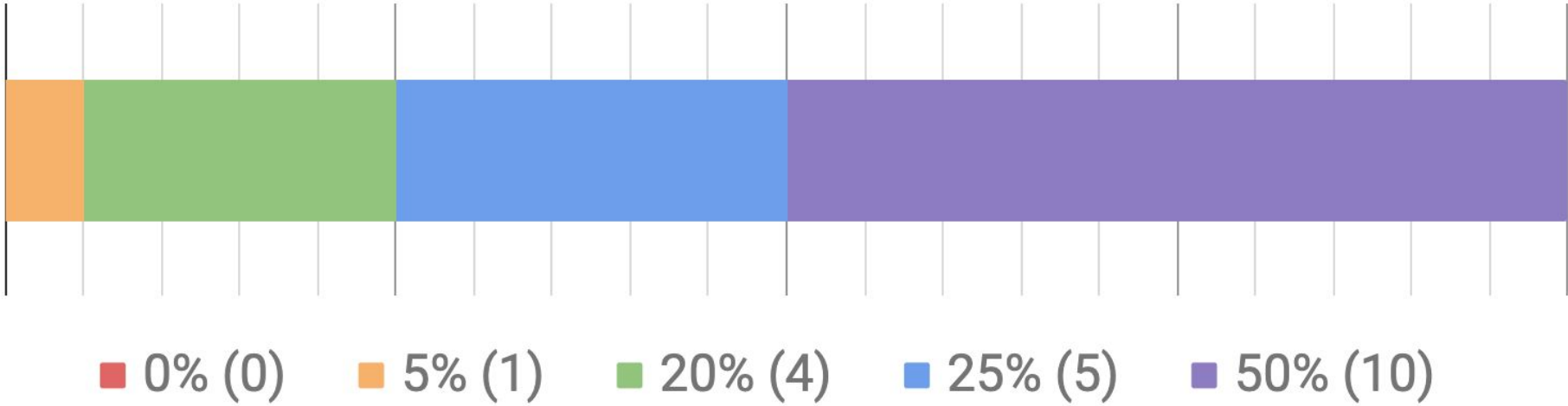
	Hanover	State	Global	Historical
Average Score	2.43	2.86	2.86	2.46
% of Scores 3+	49.3%	58.2%	58.4%	47.1%



Spanish

Enrollment: 20

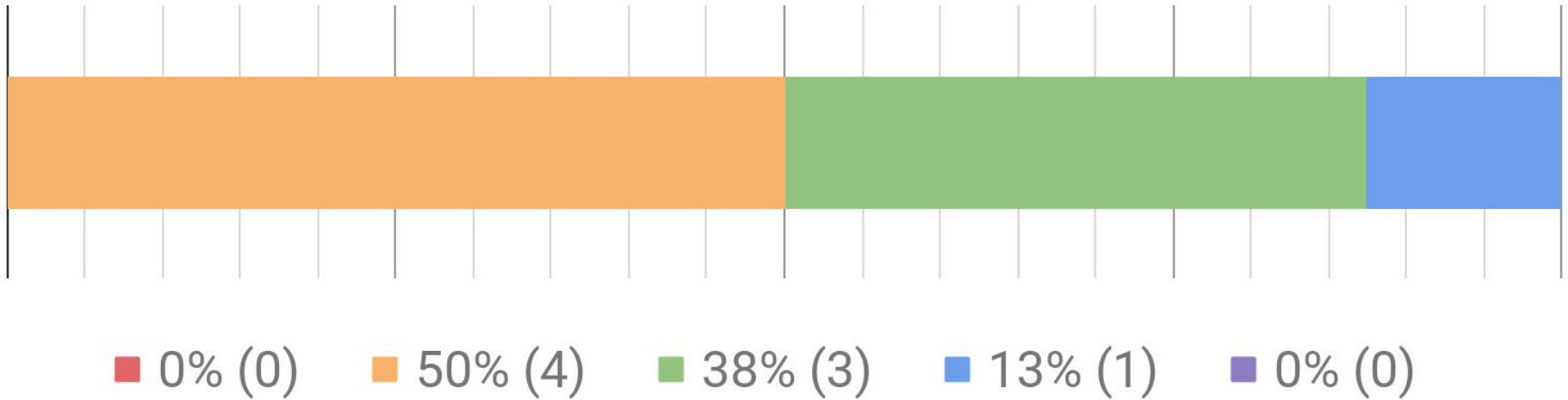
	Hanover	State	Global	Historical
Average Score	4.20	3.62	3.54	3.75
% of Scores 3+	95.0%	84.5%	81.9%	92.4%



3-D Art Design

Enrollment: 8

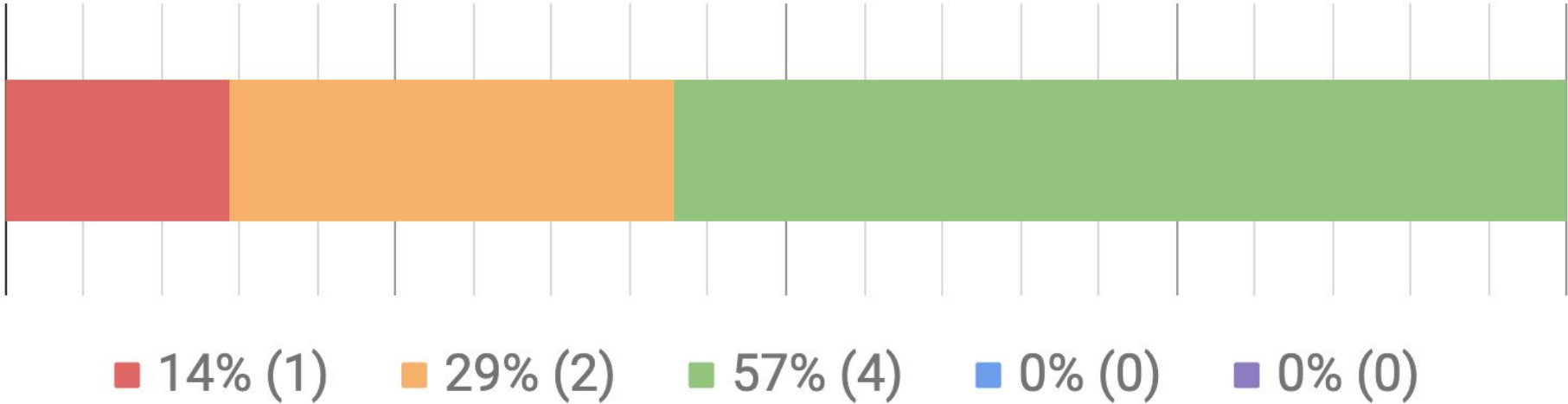
	Hanover	State	Global	Historical
Average Score	2.63	3.08	3.13	2.70
% of Scores 3+	50.0%	77.2%	73.7%	60.3%



Drawing

Enrollment: 7

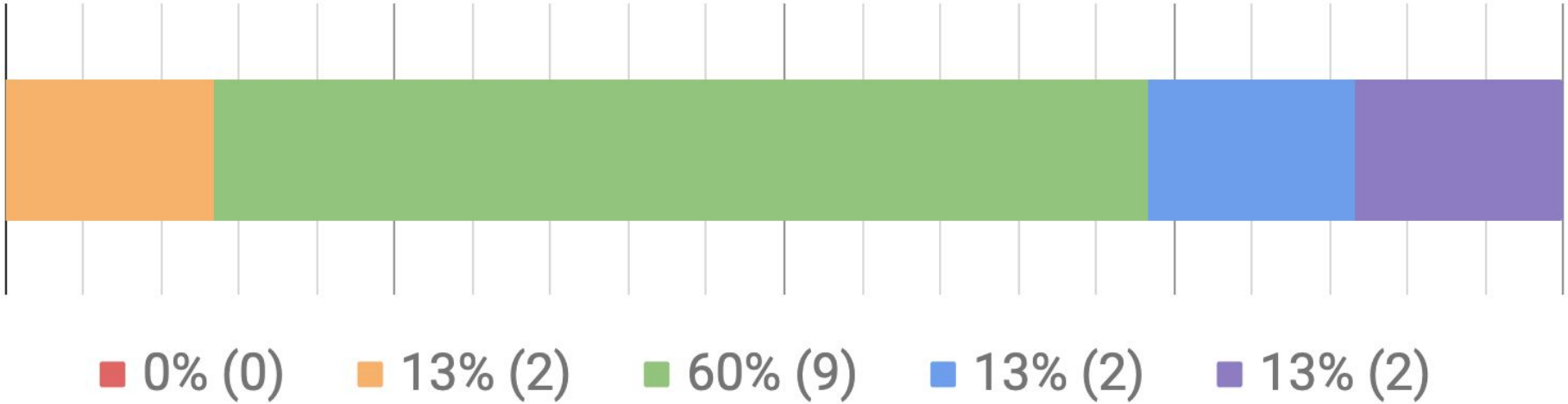
	Hanover	State	Global	Historical
Average Score	2.43	3.45	3.55	3.21
% of Scores 3+	57.1%	87.4%	88.6%	81.4%



US Government

Enrollment: 15

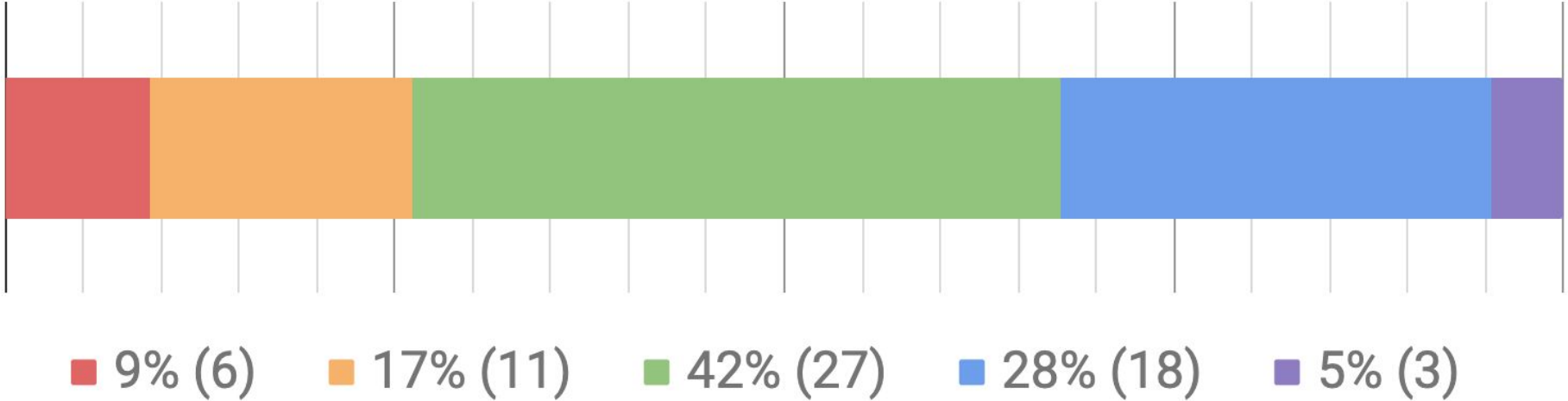
	Hanover	State	Global	Historical
Average Score	3.27	2.77	2.58	3.04
% of Scores 3+	86.7%	54.8%	48.6%	63.8%



US History

Enrollment: 65

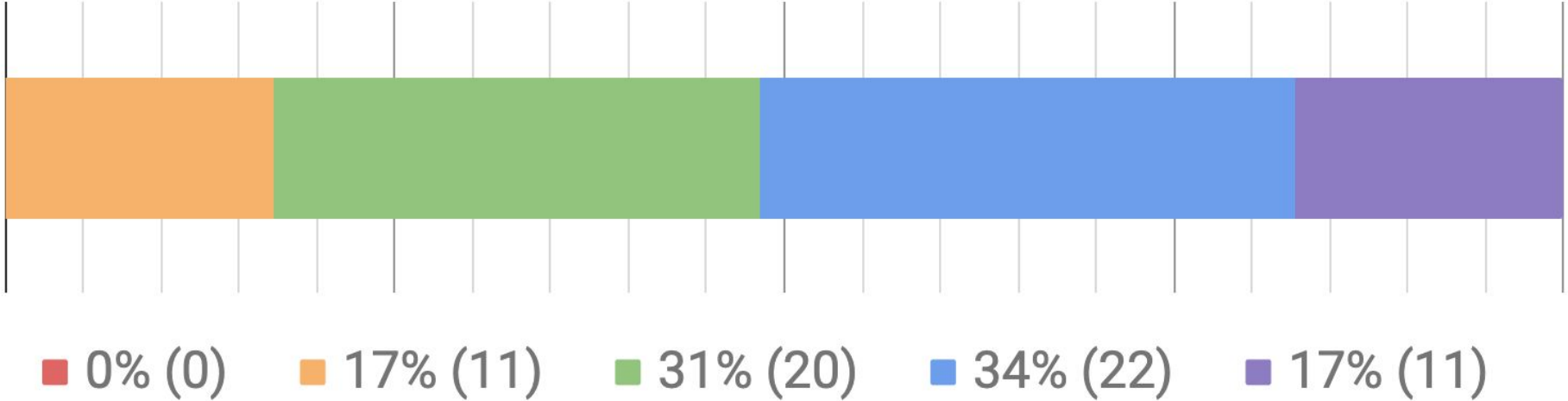
	Hanover	State	Global	Historical
Average Score	3.02	2.88	2.57	3.13
% of Scores 3+	73.8%	58.2%	48.2%	68.9%



World History

Enrollment: 64

	Hanover	State	Global	Historical
Average Score	3.52	3.33	2.96	3.50
% of Scores 3+	82.8%	47.1%	62.1%	85.2%



3a.

SAT - Overview

- SAT: Scholastic Aptitude Test
- Administered throughout the year
- Scoring: 1600 total points
 - 800 in Evidence-based Reading and Writing
 - 800 in Mathematics
 - No penalty for a wrong answer
- 5 Sections, from 25 to 65 minutes each
- SAT takes about 3 hours to complete

3b.

SAT - Results

Exam Results

- Total Score
 - Evidenced-based Reading and Writing
 - Mathematics

SAT Results by School Year

	2018-2019			2019-2020			2020-2021			2021-2022		
	Total	ERW	Math	Total	ERW	Math	Total	ERW	Math	Total	ERW	Math
HAN	1106	559	547	1129	568	561	1135	561	558	1123	569	554
MA	1098	548	550	1112	555	557	1142	576	566	1111	558	553
USA	1059	531	528	1051	528	523	1088	541	538	1050	529	521

