

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 1	Fall	2024	8th Grade	Social Studies	46.00	118	82.00	36.00	-36	1296
Classroom 2	Fall	2024	7th Grade	English	75.00	130	85.00	10.00	-10	100
Classroom 3	Fall	2024	2nd Grade	Mathematics	80.00	22	100.00	20.00	-20	400
Classroom 4	Fall	2024	5th Grade	Science	36.00	12	55.00	19.00	-19	361
Classroom 5	Fall	2024	5th Grade	Social Studies	28.00	14	65.00	37.00	-37	1369
Classroom 6	Fall	2024	3rd Grade	English	11.00	24	82.50	71.50	-71.5	5112.25
Classroom 7	Fall	2024	3rd Grade	Mathematics	40.00	83	80.00	40.00	-40	1600
Classroom 8	Fall	2024	7th Grade	Social Studies	42.00	90	88.50	46.50	-46.5	2162.25
Classroom 9	Fall	2024	1st Grade	English	68.70	20	85.00	16.30	-16.3	265.69
Classroom 10	Fall	2024	2nd Grade	Mathematics	59.50	21	77.30	17.80	-17.8	316.84
Classroom 11	Fall	2024	3rd Grade	Mathematics	58.00	24	68.00	10.00	-10	100
Classroom 12	Fall	2024	8th Grade	Social Studies	43.44	70	73.22	29.78	-29.78	886.8484
Classroom 13	Fall	2024	5th Grade	Mathematics	47.91	10	73.58	25.67	-25.67	658.9489
Classroom 14	Fall	2024	3rd Grade	Social Studies	59.00	23	69.50	10.50	-10.5	110.25
Classroom 15	Fall	2024	9th Grade	Science	42.00	44	79.00	37.00	-37	1369
Classroom 16	Fall	2024	12th Grade	Social Studies	68.80	15	61.80	-7.00	7	49
Classroom 17	Fall	2024	1st Grade	Social Studies	62.00	22	90.00	28.00	-28	784
Classroom 18	Fall	2024	9th Grade	Social Studies	40.00	59	87.00	47.00	-47	2209
Classroom 19	Fall	2024	7th Grade	Social Studies	40.00	87	84.30	44.30	-44.3	1962.49
Classroom 20	Fall	2024	7th Grade	English	70.75	52	89.00	18.25	-18.25	333.0625
Classroom 21	Fall	2024	2nd Grade	Science	71.90	21	85.00	13.10	-13.1	171.61
Classroom 22	Fall	2024	10th Grade	Art Education	24.00	75	83.00	59.00	-59	3481
Classroom 23	Fall	2024	9th Grade	Social Studies	55.00	39	64.80	9.80	-9.8	96.04
Classroom 24	Fall	2024	10th Grade	Social Studies	58.40	74	80.70	22.30	-22.3	497.29
Classroom 25	Fall	2024	2nd Grade	Mathematics	30.00	24	79.00	49.00	-49	2401
Classroom 26	Fall	2024	3rd Grade	Mathematics	66.00	27	85.00	19.00	-19	361
Classroom 27	Fall	2024	5th Grade	Science	46.00	23	85.00	39.00	-39	1521
Classroom 28	Fall	2024	4th Grade	Mathematics	30.00	18	70.00	40.00	-40	1600
Classroom 29	Fall	2024	11th Grade	English	66.00	58	79.00	13.00	-13	169
Classroom 30	Fall	2024	11th Grade	Social Studies	48.00	56	81.30	33.30	-33.3	1108.89
Classroom 31	Fall	2024	1st Grade	Mathematics	22.90	19	40.10	17.20	-17.2	295.84
Classroom 32	Fall	2024	9th Grade	Music	19.64	39	73.21	53.57	-53.57	2869.7449
Classroom 33	Fall	2024	7th Grade	Social Studies	36.60	35	70.80	34.20	-34.2	1169.64
Classroom 34	Fall	2024	5th Grade	Art Education	4.00	48	93.75	89.75	-89.75	8055.0625
Classroom 35	Fall	2024	12th Grade	Music	73.00	80	92.00	19.00	-19	361
Classroom 36	Fall	2024	10th Grade	English	62.10	26	91.20	29.10	-29.1	846.81
Classroom 37	Fall	2024	10th Grade	Social Studies	25.00	55	75.00	50.00	-50	2500
Classroom 38	Fall	2024	2nd Grade	Mathematics	67.00	15	94.00	27.00	-27	729
Classroom 39	Fall	2024	2nd Grade	Mathematics	33.00	19	71.50	38.50	-38.5	1482.25
Classroom 40	Fall	2024	Kindergarten	English	90.00	20	95.00	5.00	-5	25
Classroom 41	Fall	2024	3rd Grade	English	47.80	19	73.67	25.87	-25.87	669.2569
Classroom 42	Fall	2024	Kindergarten	Mathematics	53.00	15	73.00	20.00	-20	400
Classroom 43	Fall	2024	11th Grade	Spanish	8.40	76	71.60	63.20	-63.2	3994.24
Classroom 44	Fall	2024	2nd Grade	Mathematics	50.00	24	83.30	33.30	-33.3	1108.89
Classroom 45	Fall	2024	1st Grade	English	70.00	19	81.00	11.00	-11	121
Classroom 46	Fall	2024	12th Grade	English	66.00	70	70.00	4.00	-4	16

Classroom 47	Fall	2024	1st Grade	English	59.09	23	69.58	10.49	-10.49	110.0401
Classroom 48	Fall	2024	10th Grade	Mathematics	48.38	22	58.52	10.14	-10.14	102.8196
Classroom 49	Fall	2024	8th Grade	Social Studies	35.00	27	80.00	45.00	-45	2025
Classroom 50	Fall	2024	Kindergarten	English	13.00	23	52.00	39.00	-39	1521
Classroom 51	Fall	2024	3rd Grade	Mathematics	30.00	20	85.00	55.00	-55	3025
Classroom 52	Fall	2024	11th Grade	Mathematics	0.50	22	71.00	70.50	-70.5	4970.25
Classroom 53	Fall	2024	1st Grade	Social Studies	34.00	15	50.00	16.00	-16	256
Classroom 54	Fall	2024	Kindergarten	Science	71.00	19	73.00	2.00	-2	4
Classroom 55	Fall	2024	2nd Grade	Mathematics	54.00	20	87.00	33.00	-33	1089
Classroom 56	Fall	2024	10th Grade	English	57.33	10	72.50	15.17	-15.17	230.1289
Classroom 57	Fall	2024	Kindergarten	Mathematics	17.00	17	70.00	53.00	-53	2809
Classroom 58	Fall	2024	2nd Grade	Mathematics	38.00	18	78.00	40.00	-40	1600
Classroom 59	Fall	2024	5th Grade	Mathematics	11.70	24	32.10	20.40	-20.4	416.16
Classroom 60	Fall	2024	Kindergarten	English	56.00	7	81.00	25.00	-25	625
Classroom 61	Fall	2024	1st Grade	Mathematics	21.00	15	88.00	67.00	-67	4489
Classroom 62	Fall	2024	1st Grade	Mathematics	52.00	19	82.00	30.00	-30	900
Classroom 63	Fall	2024	10th Grade	Science	30.70	98	80.80	50.10	-50.1	2510.01
Classroom 64	Fall	2024	1st Grade	Science	48.00	17	49.40	1.40	-1.4	1.96
Classroom 65	Fall	2024	3rd Grade	Mathematics	42.80	23	80.70	37.90	-37.9	1436.41
Classroom 66	Fall	2024	2nd Grade	Mathematics	21.30	24	99.17	77.87	-77.87	6063.7369
Classroom 67	Fall	2024	10th Grade	Social Studies	51.00	45	78.00	27.00	-27	729
Classroom 68	Fall	2024	11th Grade	Science	48.00	92	78.00	30.00	-30	900
Classroom 69	Fall	2024	9th Grade	English	68.30	17	91.00	22.70	-22.7	515.29
Classroom 70	Fall	2024	Kindergarten	Science	71.00	20	96.00	25.00	-25	625
Classroom 71	Fall	2024	2nd Grade	Mathematics	76.00	25	97.00	21.00	-21	441
Classroom 72	Fall	2024	11th Grade	Mathematics	21.50	104	65.90	44.40	-44.4	1971.36
Classroom 73	Fall	2024	2nd Grade	Science	51.00	21	85.00	34.00	-34	1156
Classroom 74	Fall	2024	2nd Grade	Mathematics	62.00	15	84.00	22.00	-22	484
Classroom 75	Fall	2024	11th Grade	Social Studies	54.00	36	85.00	31.00	-31	961
Classroom 76	Fall	2024	4th Grade	Mathematics	5.00	18	70.00	65.00	-65	4225
Classroom 77	Fall	2024	2nd Grade	Mathematics	83.88	26	100.00	16.12	-16.12	259.8544
Classroom 78	Fall	2024	1st Grade	Social Studies	67.00	20	100.00	33.00	-33	1089
Classroom 79	Fall	2024	5th Grade	Science	45.00	19	65.00	20.00	-20	400
Classroom 80	Fall	2024	3rd Grade	Science	47.00	21	66.00	19.00	-19	361
Classroom 81	Fall	2024	10th Grade	Social Studies	59.00	100	79.00	20.00	-20	400
Classroom 82	Fall	2024	10th Grade	Social Studies	61.42	85	86.87	25.45	-25.45	647.7025
Classroom 83	Fall	2024	1st Grade	Mathematics	24.00	12	57.00	33.00	-33	1089
Classroom 84	Fall	2024	Kindergarten	Mathematics	67.10	23	84.80	17.70	-17.7	313.29
Classroom 85	Fall	2024	3rd Grade	Mathematics	37.00	19	87.00	50.00	-50	2500
Classroom 86	Fall	2024	1st Grade	Mathematics	35.00	16	66.00	31.00	-31	961
Classroom 87	Fall	2024	4th Grade	Social Studies	22.00	18	82.00	60.00	-60	3600
Classroom 88	Fall	2024	6th Grade	Science	21.20	144	57.20	36.00	-36	1296
Classroom 89	Fall	2024	9th Grade	Mathematics	30.00	79	88.00	58.00	-58	3364
Classroom 90	Fall	2024	Kindergarten	Mathematics	69.00	23	74.00	5.00	-5	25
Classroom 91	Fall	2024	Kindergarten	Mathematics	76.00	15	90.00	14.00	-14	196
Classroom 92	Fall	2024	3rd Grade	Science	43.00	19	61.00	18.00	-18	324
Classroom 93	Fall	2024	5th Grade	Mathematics	14.00	20	55.00	41.00	-41	1681
Classroom 94	Fall	2024	Kindergarten	Social Studies	93.60	15	90.00	-3.60	3.6	12.96
Classroom 95	Fall	2024	Kindergarten	English	66.50	23	94.00	27.50	-27.5	756.25

Classroom 96	Fall	2024	3rd Grade	English	34.60	22	73.30	38.70	-38.7	1497.69
Classroom 97	Fall	2024	2nd Grade	Mathematics	49.00	20	79.00	30.00	-30	900
Classroom 98	Fall	2024	1st Grade	Mathematics	70.00	25	93.00	23.00	-23	529
Classroom 99	Fall	2024	2nd Grade	Mathematics	76.25	17	87.50	11.25	-11.25	126.5625
Classroom 100	Fall	2024	Kindergarten	Mathematics	48.00	25	81.00	33.00	-33	1089
Classroom 101	Fall	2024	2nd Grade	English	56.00	16	83.00	27.00	-27	729
Classroom 102	Fall	2024	5th Grade	Mathematics	36.00	53	65.00	29.00	-29	841
Classroom 103	Fall	2024	3rd Grade	Mathematics	49.00	21	57.00	8.00	-8	64
Classroom 104	Fall	2024	2nd Grade	Social Studies	65.00	16	75.00	10.00	-10	100
Classroom 105	Fall	2024	1st Grade	Mathematics	45.70	15	92.60	46.90	-46.9	2199.61
Classroom 106	Fall	2024	9th Grade	Social Studies	49.00	74	75.00	26.00	-26	676
Classroom 107	Fall	2024	Kindergarten	Mathematics	73.00	19	94.40	21.40	-21.4	457.96
Classroom 108	Fall	2024	11th Grade	Spanish	32.30	83	72.11	39.81	-39.81	1584.8361
Classroom 109	Fall	2024	9th Grade	Social Studies	58.00	49	75.00	17.00	-17	289
Classroom 110	Fall	2024	2nd Grade	Mathematics	40.00	20	87.00	47.00	-47	2209
Classroom 111	Fall	2024	5th Grade	Mathematics	67.80	21	84.00	16.20	-16.2	262.44
Classroom 112	Fall	2024	1st Grade	Mathematics	60.00	28	75.00	15.00	-15	225
Classroom 113	Fall	2024	Kindergarten	English	71.00	23	81.00	10.00	-10	100
Classroom 114	Fall	2024	3rd Grade	Mathematics	7.00	19	60.00	53.00	-53	2809
Classroom 115	Fall	2024	4th Grade	Mathematics	21.50	24	61.80	40.30	-40.3	1624.09
Classroom 116	Fall	2024	5th Grade	Mathematics	18.00	22	83.60	65.60	-65.6	4303.36
Classroom 117	Fall	2024	2nd Grade	Mathematics	31.00	23	76.00	45.00	-45	2025
Classroom 118	Fall	2024	Kindergarten	Mathematics	78.00	14	112.00	34.00	-34	1156
Classroom 119	Winter	2024	1st Grade	Social Studies	25.00	17	73.00	48.00	-48	2304
Classroom 120	Winter	2024	3rd Grade	English	50.00	22	75.00	25.00	-25	625
Classroom 121	Winter	2024	11th Grade	Social Studies	10.00	44	10.00	0.00	0	0
Classroom 122	Winter	2024	2nd Grade	English	20.00	20	55.00	35.00	-35	1225
Classroom 123	Winter	2024	9th Grade	Social Studies	30.00	53	60.00	30.00	-30	900
Classroom 124	Winter	2024	10th Grade	English	47.00	70	80.00	33.00	-33	1089
Classroom 125	Winter	2024	10th Grade	English	56.67	92	79.17	22.50	-22.5	506.25
Classroom 126	Winter	2024	8th Grade	Social Studies	5.00	48	85.00	80.00	-80	6400
Classroom 127	Winter	2024	7th Grade	Social Studies	85.00	103	95.00	10.00	-10	100
Classroom 128	Winter	2024	11th Grade	Mathematics	19.47	14	63.33	43.86	-43.86	1923.6996
Classroom 129	Winter	2024	10th Grade	Mathematics	13.20	39	34.70	21.50	-21.5	462.25
Classroom 130	Winter	2024	9th Grade	Spanish	50.30	43	54.50	4.20	-4.2	17.64
Classroom 131	Winter	2024	11th Grade	Music	73.14	28	92.87	19.73	-19.73	389.2729
Classroom 132	Winter	2024	1st Grade	Mathematics	68.50	18	85.00	16.50	-16.5	272.25
Classroom 133	Winter	2024	7th Grade	English	86.88	50	90.20	3.32	-3.32	11.0224
Classroom 134	Winter	2024	9th Grade	English	69.00	52	86.00	17.00	-17	289
Classroom 135	Winter	2024	11th Grade	Social Studies	66.00	37	83.00	17.00	-17	289
Classroom 136	Winter	2024	12th Grade	English	75.20	20	76.00	0.80	-0.8	0.64
Classroom 137	Winter	2024	9th Grade	Social Studies	61.80	64	79.60	17.80	-17.8	316.84
Classroom 138	Winter	2024	9th Grade	Science	60.00	71	60.00	0.00	0	0
Classroom 139	Winter	2024	10th Grade	Mathematics	45.80	24	73.30	27.50	-27.5	756.25
Classroom 140	Winter	2024	9th Grade	Health & Physical Education	43.00	61	88.00	45.00	-45	2025
Classroom 141	Winter	2024	8th Grade	Health & Physical Education	58.30	74	83.30	25.00	-25	625
Classroom 142	Winter	2024	9th Grade	Mathematics	30.00	47	80.00	50.00	-50	2500
Classroom 143	Winter	2024	2nd Grade	Science	51.00	17	94.00	43.00	-43	1849
Classroom 144	Winter	2024	11th Grade	Health & Physical Education	42.00	3	86.00	44.00	-44	1936

Classroom 145	Winter	2024	11th Grade	Mathematics	38.00	43	65.00	27.00	-27	729
Classroom 146	Winter	2024	11th Grade	Social Studies	55.10	40	68.90	13.80	-13.8	190.44
Classroom 147	Winter	2024	11th Grade	Art Education	75.00	30	95.00	20.00	-20	400
Classroom 148	Winter	2024	4th Grade	Science	21.50	16	86.00	64.50	-64.5	4160.25
Classroom 149	Winter	2024	4th Grade	Mathematics	20.00	20	50.00	30.00	-30	900
Classroom 150	Winter	2024	12th Grade	Music	77.00	20	100.00	23.00	-23	529
Classroom 151	Winter	2024	9th Grade	English	16.42	67	21.88	5.46	-5.46	29.8116
Classroom 152	Winter	2024	9th Grade	Mathematics	12.57	76	75.95	63.38	-63.38	4017.0244
Classroom 153	Winter	2024	4th Grade	Art Education	31.00	42	67.00	36.00	-36	1296
Classroom 154	Winter	2024	8th Grade	Social Studies	20.60	107	90.50	69.90	-69.9	4886.01
Classroom 155	Winter	2024	9th Grade	English	15.80	26	18.50	2.70	-2.7	7.29
Classroom 156	Winter	2024	9th Grade	Social Studies	27.50	127	57.50	30.00	-30	900
Classroom 157	Winter	2024	8th Grade	English	56.00	128	87.00	31.00	-31	961
Classroom 158	Winter	2024	10th Grade	Social Studies	46.00	30	81.30	35.30	-35.3	1246.09
Classroom 159	Winter	2024	11th Grade	Social Studies	20.00	23	86.00	66.00	-66	4356
Classroom 160	Winter	2024	2nd Grade	Music	13.00	50	90.60	77.60	-77.6	6021.76
Classroom 161	Winter	2024	12th Grade	Mathematics	42.60	53	70.00	27.40	-27.4	750.76
Classroom 162	Winter	2024	12th Grade	Health & Physical Education	91.00	21	96.00	5.00	-5	25
Classroom 163	Winter	2024	8th Grade	English	62.00	34	81.60	19.60	-19.6	384.16
Classroom 164	Winter	2024	6th Grade	Science	42.00	108	80.00	38.00	-38	1444
Classroom 165	Winter	2024	9th Grade	Music	47.00	24	86.00	39.00	-39	1521
Classroom 166	Winter	2024	9th Grade	Mathematics	35.00	31	88.00	53.00	-53	2809
Classroom 167	Winter	2024	5th Grade	Science	30.00	11	84.00	54.00	-54	2916
Classroom 168	Winter	2024	11th Grade	English	45.30	35	82.30	37.00	-37	1369
Classroom 169	Winter	2024	10th Grade	Science	19.64	25	89.77	70.13	-70.13	4918.2169
Classroom 170	Winter	2024	11th Grade	Social Studies	84.00	30	90.00	6.00	-6	36
Classroom 171	Winter	2024	8th Grade	English	45.00	108	82.00	37.00	-37	1369
Classroom 172	Winter	2024	3rd Grade	Music	21.43	98	74.71	53.28	-53.28	2838.7584
Classroom 173	Winter	2024	7th Grade	Mathematics	21.30	46	80.60	59.30	-59.3	3516.49
Classroom 174	Winter	2024	2nd Grade	Mathematics	78.00	19	87.00	9.00	-9	81
Classroom 175	Winter	2024	1st Grade	Social Studies	92.00	19	100.00	8.00	-8	64
Classroom 176	Winter	2024	10th Grade	Social Studies	59.00	97	81.00	22.00	-22	484
Classroom 177	Winter	2024	4th Grade	Mathematics	20.00	20	77.00	57.00	-57	3249
Classroom 178	Winter	2024	8th Grade	Social Studies	37.00	22	76.00	39.00	-39	1521
Classroom 179	Winter	2024	9th Grade	Science	48.00	29	79.00	31.00	-31	961
Classroom 180	Winter	2024	9th Grade	Music	70.00	45	85.00	15.00	-15	225
Classroom 181	Winter	2024	2nd Grade	Science	49.90	22	86.60	36.70	-36.7	1346.89
Classroom 182	Winter	2024	5th Grade	English	48.00	13	65.00	17.00	-17	289
Classroom 183	Winter	2024	8th Grade	Social Studies	51.13	104	64.52	13.39	-13.39	179.2921
Classroom 184	Winter	2024	8th Grade	English	63.00	27	90.00	27.00	-27	729
Classroom 185	Winter	2024	5th Grade	English	55.00	21	76.50	21.50	-21.5	462.25
Classroom 186	Winter	2024	6th Grade	Music	43.00	28	91.00	48.00	-48	2304
Classroom 187	Winter	2024	3rd Grade	English	62.00	19	86.00	24.00	-24	576
Classroom 188	Winter	2024	1st Grade	Mathematics	21.00	18	40.00	19.00	-19	361
Classroom 189	Winter	2024	Kindergarten	Mathematics	53.00	23	70.00	17.00	-17	289
Classroom 190	Winter	2024	3rd Grade	Science	42.20	14	96.90	54.70	-54.7	2992.09
Classroom 191	Winter	2024	3rd Grade	Science	64.59	21	91.14	26.55	-26.55	704.9025
Classroom 192	Winter	2024	10th Grade	Science	64.00	58	72.00	8.00	-8	64
Classroom 193	Winter	2024	2nd Grade	Mathematics	55.00	26	88.00	33.00	-33	1089

Classroom 194	Winter	2024	3rd Grade	Social Studies	27.20	22	70.00	42.80	-42.8	1831.84
Classroom 195	Winter	2024	7th Grade	English	58.70	90	71.60	12.90	-12.9	166.41
Classroom 196	Winter	2024	Kindergarten	Mathematics	70.00	14	85.00	15.00	-15	225
Classroom 197	Winter	2024	7th Grade	Health & Physical Education	29.50	45	91.17	61.67	-61.67	3803.1889
Classroom 198	Winter	2024	8th Grade	Science	43.00	54	69.00	26.00	-26	676
Classroom 199	Winter	2024	3rd Grade	Mathematics	0.50	14	61.30	60.80	-60.8	3696.64
Classroom 200	Winter	2024	5th Grade	Science	33.90	23	80.90	47.00	-47	2209
Classroom 201	Winter	2024	2nd Grade	Science	53.00	23	65.00	12.00	-12	144
Classroom 202	Winter	2024	1st Grade	Social Studies	62.00	16	96.00	34.00	-34	1156
Classroom 203	Winter	2024	3rd Grade	Science	10.00	18	60.00	50.00	-50	2500
Classroom 204	Winter	2024	4th Grade	English	19.00	19	75.50	56.50	-56.5	3192.25
Classroom 205	Winter	2024	2nd Grade	Social Studies	25.94	15	53.38	27.44	-27.44	752.9536
Classroom 206	Winter	2024	7th Grade	Health & Physical Education	61.00	81	96.00	35.00	-35	1225
Classroom 207	Winter	2024	2nd Grade	Social Studies	31.00	19	47.00	16.00	-16	256
Classroom 208	Winter	2024	3rd Grade	Science	42.00	24	52.00	10.00	-10	100
Classroom 209	Winter	2024	7th Grade	Social Studies	34.60	56	85.40	50.80	-50.8	2580.64
Classroom 210	Winter	2024	2nd Grade	Mathematics	45.00	15	94.00	49.00	-49	2401
Classroom 211	Winter	2024	7th Grade	Social Studies	63.00	105	83.00	20.00	-20	400
Classroom 212	Winter	2024	3rd Grade	Mathematics	45.00	23	59.00	14.00	-14	196
Classroom 213	Winter	2024	4th Grade	Science	25.00	15	79.00	54.00	-54	2916
Classroom 214	Winter	2024	2nd Grade	Science	77.00	19	84.00	7.00	-7	49
Classroom 215	Winter	2024	5th Grade	Mathematics	53.33	16	53.33	0.00	0	0
Classroom 216	Winter	2024	3rd Grade	Mathematics	10.00	4	80.00	70.00	-70	4900
Classroom 217	Winter	2024	1st Grade	Mathematics	49.00	18	66.00	17.00	-17	289
Classroom 218	Winter	2024	Kindergarten	Science	70.00	25	97.50	27.50	-27.5	756.25
Classroom 219	Winter	2024	1st Grade	Mathematics	23.00	15	83.00	60.00	-60	3600
Classroom 220	Winter	2024	5th Grade	English	27.00	17	61.00	34.00	-34	1156
Classroom 221	Winter	2024	5th Grade	Mathematics	12.00	26	71.00	59.00	-59	3481
Classroom 222	Winter	2024	4th Grade	English	40.00	16	78.00	38.00	-38	1444
Classroom 223	Winter	2024	9th Grade	Mathematics	21.50	68	76.00	54.50	-54.5	2970.25
Classroom 224	Winter	2024	5th Grade	Social Studies	47.00	39	68.00	21.00	-21	441
Classroom 225	Winter	2024	11th Grade	Art Education	76.00	11	88.00	12.00	-12	144
Classroom 226	Winter	2024	2nd Grade	Mathematics	64.00	21	80.00	16.00	-16	256
Classroom 227	Winter	2024	Kindergarten	Mathematics	55.00	19	96.00	41.00	-41	1681
Classroom 228	Winter	2024	3rd Grade	Mathematics	20.00	20	95.00	75.00	-75	5625
Classroom 229	Winter	2024	2nd Grade	Mathematics	63.00	23	79.00	16.00	-16	256
Classroom 230	Winter	2024	3rd Grade	English	44.00	23	57.00	13.00	-13	169
Classroom 231	Winter	2024	Kindergarten	Science	88.00	12	100.00	12.00	-12	144
Classroom 232	Winter	2024	12th Grade	Spanish	31.70	32	74.00	42.30	-42.3	1789.29
Classroom 233	Winter	2024	3rd Grade	English	33.80	20	75.00	41.20	-41.2	1697.44
Classroom 234	Winter	2024	1st Grade	Mathematics	64.00	24	83.00	19.00	-19	361
Classroom 235	Winter	2024	Kindergarten	Science	46.15	14	87.50	41.35	-41.35	1709.8225
Classroom 236	Winter	2024	2nd Grade	Science	34.60	15	81.50	46.90	-46.9	2199.61
Classroom 237	Winter	2024	Kindergarten	Science	48.50	16	95.00	46.50	-46.5	2162.25
Classroom 238	Winter	2024	Kindergarten	Science	60.00	11	80.30	20.30	-20.3	412.09
Classroom 239	Winter	2024	4th Grade	English	27.00	17	43.00	16.00	-16	256
Classroom 240	Winter	2024	5th Grade	Social Studies	12.50	9	53.10	40.60	-40.6	1648.36
Classroom 241	Winter	2024	Kindergarten	Mathematics	85.00	18	98.00	13.00	-13	169
Classroom 242	Winter	2024	3rd Grade	Mathematics	57.00	22	83.00	26.00	-26	676

Classroom 243	Winter	2024	2nd Grade	English	70.00	27	82.00	12.00	-12	144
Classroom 244	Winter	2024	4th Grade	Mathematics	54.00	26	77.00	23.00	-23	529
Classroom 245	Winter	2024	1st Grade	English	53.00	20	98.00	45.00	-45	2025
Classroom 246	Winter	2024	1st Grade	Mathematics	82.96	27	91.15	8.19	-8.19	67.0761
Classroom 247	Winter	2024	9th Grade	Mathematics	25.00	12	79.10	54.10	-54.1	2926.81
Classroom 248	Winter	2024	1st Grade	English	30.00	26	54.00	24.00	-24	576
Classroom 249	Winter	2024	5th Grade	Mathematics	3.10	23	36.30	33.20	-33.2	1102.24
Classroom 250	Winter	2024	2nd Grade	Mathematics	75.00	16	81.00	6.00	-6	36
Classroom 251	Winter	2024	Kindergarten	Mathematics	82.00	20	96.00	14.00	-14	196
Classroom 252	Winter	2024	3rd Grade	Social Studies	28.89	24	56.67	27.78	-27.78	771.7284
Classroom 253	Winter	2024	4th Grade	Science	68.00	18	75.00	7.00	-7	49
Classroom 254	Winter	2024	4th Grade	Mathematics	37.00	24	89.00	52.00	-52	2704
Classroom 255	Winter	2024	5th Grade	English	29.30	32	88.00	58.70	-58.7	3445.69
Classroom 256	Winter	2024	12th Grade	Health & Physical Education	82.70	24	83.80	1.10	-1.1	1.21
Classroom 257	Winter	2024	2nd Grade	Social Studies	61.30	20	91.40	30.10	-30.1	906.01
Classroom 258	Winter	2024	9th Grade	Health & Physical Education	84.00	20	95.00	11.00	-11	121
Classroom 259	Winter	2024	1st Grade	Mathematics	51.00	18	80.00	29.00	-29	841
Classroom 260	Winter	2024	9th Grade	English	60.00	73	89.00	29.00	-29	841
Classroom 261	Winter	2024	1st Grade	Mathematics	42.00	23	85.00	43.00	-43	1849
Classroom 262	Winter	2024	5th Grade	Mathematics	12.00	19	88.00	76.00	-76	5776
Classroom 263	Winter	2024	Kindergarten	Mathematics	58.00	14	92.00	34.00	-34	1156
Classroom 264	Winter	2024	11th Grade	Mathematics	3.07	44	75.09	72.02	-72.02	5186.8804
Classroom 265	Winter	2024	8th Grade	Mathematics	26.00	63	88.00	62.00	-62	3844
Classroom 266	Winter	2024	2nd Grade	Mathematics	50.00	23	100.00	50.00	-50	2500
Classroom 267	Winter	2024	5th Grade	Social Studies	52.40	27	73.60	21.20	-21.2	449.44
Classroom 268	Winter	2024	1st Grade	Mathematics	78.00	24	90.00	12.00	-12	144
Classroom 269	Winter	2024	5th Grade	Mathematics	0.00	15	85.00	85.00	-85	7225
Classroom 270	Winter	2024	Kindergarten	Mathematics	55.00	19	61.00	6.00	-6	36
Classroom 271	Winter	2024	5th Grade	Science	62.00	15	78.00	16.00	-16	256
Classroom 272	Winter	2024	2nd Grade	English	73.00	23	91.00	18.00	-18	324
Classroom 273	Winter	2024	5th Grade	Social Studies	39.28	28	77.55	38.27	-38.27	1464.5929
Classroom 274	Winter	2024	2nd Grade	Mathematics	53.79	22	83.33	29.54	-29.54	872.6116
Classroom 275	Winter	2024	1st Grade	Mathematics	91.00	25	75.00	-16.00	16	256
Classroom 276	Winter	2024	9th Grade	Social Studies	47.00	32	82.00	35.00	-35	1225
Classroom 277	Winter	2024	4th Grade	Mathematics	43.00	26	71.00	28.00	-28	784
Classroom 278	Winter	2024	2nd Grade	Mathematics	49.00	15	74.00	25.00	-25	625
Classroom 279	Winter	2024	2nd Grade	Science	64.75	19	92.75	28.00	-28	784
Classroom 280	Winter	2024	11th Grade	Mathematics	38.54	84	55.00	16.46	-16.46	270.9316
Classroom 281	Winter	2024	10th Grade	Mathematics	52.00	40	64.00	12.00	-12	144
Classroom 282	Winter	2024	1st Grade	Mathematics	63.00	21	82.00	19.00	-19	361
Classroom 283	Winter	2024	2nd Grade	Mathematics	71.00	19	80.00	9.00	-9	81
Classroom 284	Winter	2024	3rd Grade	Mathematics	75.00	22	85.00	10.00	-10	100

Number of Tests = N		Number of K-12 Students:		Average % Improvement:		-8721.81	371940.07
284		9774		30.71		"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$						L =Top Value (âd/N)	-30.71
						M =Middle value	104088.07
						O =Bottom Value	80372.00
						P =Square root of M/O	1.14
						T = (L/P)	-26.99
						µ = 0.05	Critical T = 1.645
							Significant
						T/Square Root of N = Effect	-1.601

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 40	Fall	2024	Kindergarten	English	90.00	20	95.00	5.00	-5	25
Classroom 42	Fall	2024	Kindergarten	Mathematics	53.00	15	73.00	20.00	-20	400
Classroom 50	Fall	2024	Kindergarten	English	13.00	23	52.00	39.00	-39	1521
Classroom 54	Fall	2024	Kindergarten	Science	71.00	19	73.00	2.00	-2	4
Classroom 57	Fall	2024	Kindergarten	Mathematics	17.00	17	70.00	53.00	-53	2809
Classroom 60	Fall	2024	Kindergarten	English	56.00	7	81.00	25.00	-25	625
Classroom 70	Fall	2024	Kindergarten	Science	71.00	20	96.00	25.00	-25	625
Classroom 84	Fall	2024	Kindergarten	Mathematics	67.10	23	84.80	17.70	-17.7	313.29
Classroom 90	Fall	2024	Kindergarten	Mathematics	69.00	23	74.00	5.00	-5	25
Classroom 91	Fall	2024	Kindergarten	Mathematics	76.00	15	90.00	14.00	-14	196
Classroom 94	Fall	2024	Kindergarten	Social Studies	93.60	15	90.00	-3.60	3.6	12.96
Classroom 95	Fall	2024	Kindergarten	English	66.50	23	94.00	27.50	-27.5	756.25
Classroom 100	Fall	2024	Kindergarten	Mathematics	48.00	25	81.00	33.00	-33	1089
Classroom 107	Fall	2024	Kindergarten	Mathematics	73.00	19	94.40	21.40	-21.4	457.96
Classroom 113	Fall	2024	Kindergarten	English	71.00	23	81.00	10.00	-10	100
Classroom 118	Fall	2024	Kindergarten	Mathematics	78.00	14	112.00	34.00	-34	1156
Classroom 189	Winter	2024	Kindergarten	Mathematics	53.00	23	70.00	17.00	-17	289
Classroom 196	Winter	2024	Kindergarten	Mathematics	70.00	14	85.00	15.00	-15	225
Classroom 218	Winter	2024	Kindergarten	Science	70.00	25	97.50	27.50	-27.5	756.25
Classroom 227	Winter	2024	Kindergarten	Mathematics	55.00	19	96.00	41.00	-41	1681
Classroom 231	Winter	2024	Kindergarten	Science	88.00	12	100.00	12.00	-12	144
Classroom 235	Winter	2024	Kindergarten	Science	46.15	14	87.50	41.35	-41.35	1709.8225
Classroom 237	Winter	2024	Kindergarten	Science	48.50	16	95.00	46.50	-46.5	2162.25
Classroom 238	Winter	2024	Kindergarten	Science	60.00	11	80.30	20.30	-20.3	412.09
Classroom 241	Winter	2024	Kindergarten	Mathematics	85.00	18	98.00	13.00	-13	169
Classroom 251	Winter	2024	Kindergarten	Mathematics	82.00	20	96.00	14.00	-14	196
Classroom 263	Winter	2024	Kindergarten	Mathematics	58.00	14	92.00	34.00	-34	1156
Classroom 270	Winter	2024	Kindergarten	Mathematics	55.00	19	61.00	6.00	-6	36

Number of Tests = N	Number of K-12 Students:	Average % Improvement:
28	506	21.99

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

-615.65	19051.87
"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
L =Top Value (âd/N)	-21.99
M =Middle value	5515.27
O =Bottom Value	756.00
P =Square root of M/O	2.70
T = (L/P)	-8.14
µ = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.538

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 9	Fall	2024	1st Grade	English	68.70	20	85.00	16.30	-16.3	265.69
Classroom 17	Fall	2024	1st Grade	Social Studies	62.00	22	90.00	28.00	-28	784
Classroom 31	Fall	2024	1st Grade	Mathematics	22.90	19	40.10	17.20	-17.2	295.84
Classroom 45	Fall	2024	1st Grade	English	70.00	19	81.00	11.00	-11	121
Classroom 47	Fall	2024	1st Grade	English	59.09	23	69.58	10.49	-10.49	110.0401
Classroom 53	Fall	2024	1st Grade	Social Studies	34.00	15	50.00	16.00	-16	256
Classroom 61	Fall	2024	1st Grade	Mathematics	21.00	15	88.00	67.00	-67	4489
Classroom 62	Fall	2024	1st Grade	Mathematics	52.00	19	82.00	30.00	-30	900
Classroom 64	Fall	2024	1st Grade	Science	48.00	17	49.40	1.40	-1.4	1.96
Classroom 78	Fall	2024	1st Grade	Social Studies	67.00	20	100.00	33.00	-33	1089
Classroom 83	Fall	2024	1st Grade	Mathematics	24.00	12	57.00	33.00	-33	1089
Classroom 86	Fall	2024	1st Grade	Mathematics	35.00	16	66.00	31.00	-31	961
Classroom 98	Fall	2024	1st Grade	Mathematics	70.00	25	93.00	23.00	-23	529
Classroom 105	Fall	2024	1st Grade	Mathematics	45.70	15	92.60	46.90	-46.9	2199.61
Classroom 112	Fall	2024	1st Grade	Mathematics	60.00	28	75.00	15.00	-15	225
Classroom 119	Winter	2024	1st Grade	Social Studies	25.00	17	73.00	48.00	-48	2304
Classroom 132	Winter	2024	1st Grade	Mathematics	68.50	18	85.00	16.50	-16.5	272.25
Classroom 175	Winter	2024	1st Grade	Social Studies	92.00	19	100.00	8.00	-8	64
Classroom 188	Winter	2024	1st Grade	Mathematics	21.00	18	40.00	19.00	-19	361
Classroom 202	Winter	2024	1st Grade	Social Studies	62.00	16	96.00	34.00	-34	1156
Classroom 217	Winter	2024	1st Grade	Mathematics	49.00	18	66.00	17.00	-17	289
Classroom 219	Winter	2024	1st Grade	Mathematics	23.00	15	83.00	60.00	-60	3600
Classroom 234	Winter	2024	1st Grade	Mathematics	64.00	24	83.00	19.00	-19	361
Classroom 245	Winter	2024	1st Grade	English	53.00	20	98.00	45.00	-45	2025
Classroom 246	Winter	2024	1st Grade	Mathematics	82.96	27	91.15	8.19	-8.19	67.0761
Classroom 248	Winter	2024	1st Grade	English	30.00	26	54.00	24.00	-24	576
Classroom 259	Winter	2024	1st Grade	Mathematics	51.00	18	80.00	29.00	-29	841
Classroom 261	Winter	2024	1st Grade	Mathematics	42.00	23	85.00	43.00	-43	1849
Classroom 268	Winter	2024	1st Grade	Mathematics	78.00	24	90.00	12.00	-12	144
Classroom 275	Winter	2024	1st Grade	Mathematics	91.00	25	75.00	-16.00	16	256
Classroom 282	Winter	2024	1st Grade	Mathematics	63.00	21	82.00	19.00	-19	361

Number of Tests = N	Number of K-12 Students:	Average % Improvement:
31	614	24.68

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

-764.98	27842.47
"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
L =Top Value (âd/N)	-24.68
M =Middle value	8965.23
O =Bottom Value	930.00
P =Square root of M/O	3.10
T = (L/P)	-7.95
µ = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.427

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 3	Fall	2024	2nd Grade	Mathematics	80.00	22	100.00	20.00	-20	400
Classroom 10	Fall	2024	2nd Grade	Mathematics	59.50	21	77.30	17.80	-17.8	316.84
Classroom 21	Fall	2024	2nd Grade	Science	71.90	21	85.00	13.10	-13.1	171.61
Classroom 25	Fall	2024	2nd Grade	Mathematics	30.00	24	79.00	49.00	-49	2401
Classroom 38	Fall	2024	2nd Grade	Mathematics	67.00	15	94.00	27.00	-27	729
Classroom 39	Fall	2024	2nd Grade	Mathematics	33.00	19	71.50	38.50	-38.5	1482.25
Classroom 44	Fall	2024	2nd Grade	Mathematics	50.00	24	83.30	33.30	-33.3	1108.89
Classroom 55	Fall	2024	2nd Grade	Mathematics	54.00	20	87.00	33.00	-33	1089
Classroom 58	Fall	2024	2nd Grade	Mathematics	38.00	18	78.00	40.00	-40	1600
Classroom 66	Fall	2024	2nd Grade	Mathematics	21.30	24	99.17	77.87	-77.87	6063.7369
Classroom 71	Fall	2024	2nd Grade	Mathematics	76.00	25	97.00	21.00	-21	441
Classroom 73	Fall	2024	2nd Grade	Science	51.00	21	85.00	34.00	-34	1156
Classroom 74	Fall	2024	2nd Grade	Mathematics	62.00	15	84.00	22.00	-22	484
Classroom 77	Fall	2024	2nd Grade	Mathematics	83.88	26	100.00	16.12	-16.12	259.8544
Classroom 97	Fall	2024	2nd Grade	Mathematics	49.00	20	79.00	30.00	-30	900
Classroom 99	Fall	2024	2nd Grade	Mathematics	76.25	17	87.50	11.25	-11.25	126.5625
Classroom 101	Fall	2024	2nd Grade	English	56.00	16	83.00	27.00	-27	729
Classroom 104	Fall	2024	2nd Grade	Social Studies	65.00	16	75.00	10.00	-10	100
Classroom 110	Fall	2024	2nd Grade	Mathematics	40.00	20	87.00	47.00	-47	2209
Classroom 117	Fall	2024	2nd Grade	Mathematics	31.00	23	76.00	45.00	-45	2025
Classroom 122	Winter	2024	2nd Grade	English	20.00	20	55.00	35.00	-35	1225
Classroom 143	Winter	2024	2nd Grade	Science	51.00	17	94.00	43.00	-43	1849
Classroom 160	Winter	2024	2nd Grade	Music	13.00	50	90.60	77.60	-77.6	6021.76
Classroom 174	Winter	2024	2nd Grade	Mathematics	78.00	19	87.00	9.00	-9	81
Classroom 181	Winter	2024	2nd Grade	Science	49.90	22	86.60	36.70	-36.7	1346.89
Classroom 193	Winter	2024	2nd Grade	Mathematics	55.00	26	88.00	33.00	-33	1089
Classroom 201	Winter	2024	2nd Grade	Science	53.00	23	65.00	12.00	-12	144
Classroom 205	Winter	2024	2nd Grade	Social Studies	25.94	15	53.38	27.44	-27.44	752.9536
Classroom 207	Winter	2024	2nd Grade	Social Studies	31.00	19	47.00	16.00	-16	256
Classroom 210	Winter	2024	2nd Grade	Mathematics	45.00	15	94.00	49.00	-49	2401
Classroom 214	Winter	2024	2nd Grade	Science	77.00	19	84.00	7.00	-7	49
Classroom 226	Winter	2024	2nd Grade	Mathematics	64.00	21	80.00	16.00	-16	256
Classroom 229	Winter	2024	2nd Grade	Mathematics	63.00	23	79.00	16.00	-16	256
Classroom 236	Winter	2024	2nd Grade	Science	34.60	15	81.50	46.90	-46.9	2199.61
Classroom 243	Winter	2024	2nd Grade	English	70.00	27	82.00	12.00	-12	144
Classroom 250	Winter	2024	2nd Grade	Mathematics	75.00	16	81.00	6.00	-6	36
Classroom 257	Winter	2024	2nd Grade	Social Studies	61.30	20	91.40	30.10	-30.1	906.01
Classroom 266	Winter	2024	2nd Grade	Mathematics	50.00	23	100.00	50.00	-50	2500
Classroom 272	Winter	2024	2nd Grade	English	73.00	23	91.00	18.00	-18	324
Classroom 274	Winter	2024	2nd Grade	Mathematics	53.79	22	83.33	29.54	-29.54	872.6116
Classroom 278	Winter	2024	2nd Grade	Mathematics	49.00	15	74.00	25.00	-25	625
Classroom 279	Winter	2024	2nd Grade	Science	64.75	19	92.75	28.00	-28	784
Classroom 283	Winter	2024	2nd Grade	Mathematics	71.00	19	80.00	9.00	-9	81

$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$	Number of Tests = N	Number of K-12 Students:	Average % Improvement:	-1245.22	47992.58
	43	895	28.96	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
				L =Top Value (âd/N)	-28.96
				M =Middle value	11932.75
				O =Bottom Value	1806.00
				P =Square root of M/O	2.57
				T = (L/P)	-11.27
				µ = 0.05	Critical T = 1.645
					Significant
				T/Square Root of N = Effect	-1.718

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 6	Fall	2024	3rd Grade	English	11.00	24	82.50	71.50	-71.5	5112.25
Classroom 7	Fall	2024	3rd Grade	Mathematics	40.00	83	80.00	40.00	-40	1600
Classroom 11	Fall	2024	3rd Grade	Mathematics	58.00	24	68.00	10.00	-10	100
Classroom 14	Fall	2024	3rd Grade	Social Studies	59.00	23	69.50	10.50	-10.5	110.25
Classroom 26	Fall	2024	3rd Grade	Mathematics	66.00	27	85.00	19.00	-19	361
Classroom 41	Fall	2024	3rd Grade	English	47.80	19	73.67	25.87	-25.87	669.2569
Classroom 51	Fall	2024	3rd Grade	Mathematics	30.00	20	85.00	55.00	-55	3025
Classroom 65	Fall	2024	3rd Grade	Mathematics	42.80	23	80.70	37.90	-37.9	1436.41
Classroom 80	Fall	2024	3rd Grade	Science	47.00	21	66.00	19.00	-19	361
Classroom 85	Fall	2024	3rd Grade	Mathematics	37.00	19	87.00	50.00	-50	2500
Classroom 92	Fall	2024	3rd Grade	Science	43.00	19	61.00	18.00	-18	324
Classroom 96	Fall	2024	3rd Grade	English	34.60	22	73.30	38.70	-38.7	1497.69
Classroom 103	Fall	2024	3rd Grade	Mathematics	49.00	21	57.00	8.00	-8	64
Classroom 114	Fall	2024	3rd Grade	Mathematics	7.00	19	60.00	53.00	-53	2809
Classroom 120	Winter	2024	3rd Grade	English	50.00	22	75.00	25.00	-25	625
Classroom 172	Winter	2024	3rd Grade	Music	21.43	98	74.71	53.28	-53.28	2838.7584
Classroom 187	Winter	2024	3rd Grade	English	62.00	19	86.00	24.00	-24	576
Classroom 190	Winter	2024	3rd Grade	Science	42.20	14	96.90	54.70	-54.7	2992.09
Classroom 191	Winter	2024	3rd Grade	Science	64.59	21	91.14	26.55	-26.55	704.9025
Classroom 194	Winter	2024	3rd Grade	Social Studies	27.20	22	70.00	42.80	-42.8	1831.84
Classroom 199	Winter	2024	3rd Grade	Mathematics	0.50	14	61.30	60.80	-60.8	3696.64
Classroom 203	Winter	2024	3rd Grade	Science	10.00	18	60.00	50.00	-50	2500
Classroom 208	Winter	2024	3rd Grade	Science	42.00	24	52.00	10.00	-10	100
Classroom 212	Winter	2024	3rd Grade	Mathematics	45.00	23	59.00	14.00	-14	196
Classroom 216	Winter	2024	3rd Grade	Mathematics	10.00	4	80.00	70.00	-70	4900
Classroom 228	Winter	2024	3rd Grade	Mathematics	20.00	20	95.00	75.00	-75	5625
Classroom 230	Winter	2024	3rd Grade	English	44.00	23	57.00	13.00	-13	169
Classroom 233	Winter	2024	3rd Grade	English	33.80	20	75.00	41.20	-41.2	1697.44
Classroom 242	Winter	2024	3rd Grade	Mathematics	57.00	22	83.00	26.00	-26	676
Classroom 252	Winter	2024	3rd Grade	Social Studies	28.89	24	56.67	27.78	-27.78	771.7284
Classroom 284	Winter	2024	3rd Grade	Mathematics	75.00	22	85.00	10.00	-10	100

Number of Tests = N	Number of K-12 Students:	Average % Improvement:
31	774	34.86

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

-1080.58	49970.26
"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
L =Top Value (âd/N)	-34.86
M =Middle value	12304.03
O =Bottom Value	930.00
P =Square root of M/O	3.64
T = (L/P)	-9.58
µ = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.721

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 28	Fall	2024	4th Grade	Mathematics	30.00	18	70.00	40.00	-40	1600
Classroom 76	Fall	2024	4th Grade	Mathematics	5.00	18	70.00	65.00	-65	4225
Classroom 87	Fall	2024	4th Grade	Social Studies	22.00	18	82.00	60.00	-60	3600
Classroom 115	Fall	2024	4th Grade	Mathematics	21.50	24	61.80	40.30	-40.3	1624.09
Classroom 148	Winter	2024	4th Grade	Science	21.50	16	86.00	64.50	-64.5	4160.25
Classroom 149	Winter	2024	4th Grade	Mathematics	20.00	20	50.00	30.00	-30	900
Classroom 153	Winter	2024	4th Grade	Art Education	31.00	42	67.00	36.00	-36	1296
Classroom 177	Winter	2024	4th Grade	Mathematics	20.00	20	77.00	57.00	-57	3249
Classroom 204	Winter	2024	4th Grade	English	19.00	19	75.50	56.50	-56.5	3192.25
Classroom 213	Winter	2024	4th Grade	Science	25.00	15	79.00	54.00	-54	2916
Classroom 222	Winter	2024	4th Grade	English	40.00	16	78.00	38.00	-38	1444
Classroom 239	Winter	2024	4th Grade	English	27.00	17	43.00	16.00	-16	256
Classroom 244	Winter	2024	4th Grade	Mathematics	54.00	26	77.00	23.00	-23	529
Classroom 253	Winter	2024	4th Grade	Science	68.00	18	75.00	7.00	-7	49
Classroom 254	Winter	2024	4th Grade	Mathematics	37.00	24	89.00	52.00	-52	2704
Classroom 277	Winter	2024	4th Grade	Mathematics	43.00	26	71.00	28.00	-28	784

Number of Tests = N 16		Number of K-12 Students: 337		Average % Improvement: 41.71		-667.30	32528.59
						"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
						L =Top Value (âd/N)	-41.71
						M =Middle value	4698.01
						O =Bottom Value	240.00
						P =Square root of M/O	4.42
						T = (L/P)	-9.43
						μ = 0.05	Critical T = 1.645
							Significant
						T/Square Root of N = Effect	-2.357

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 4	Fall	2024	5th Grade	Science	36.00	12	55.00	19.00	-19	361
Classroom 5	Fall	2024	5th Grade	Social Studies	28.00	14	65.00	37.00	-37	1369
Classroom 13	Fall	2024	5th Grade	Mathematics	47.91	10	73.58	25.67	-25.67	658.9489
Classroom 27	Fall	2024	5th Grade	Science	46.00	23	85.00	39.00	-39	1521
Classroom 34	Fall	2024	5th Grade	Art Education	4.00	48	93.75	89.75	-89.75	8055.0625
Classroom 59	Fall	2024	5th Grade	Mathematics	11.70	24	32.10	20.40	-20.4	416.16
Classroom 79	Fall	2024	5th Grade	Science	45.00	19	65.00	20.00	-20	400
Classroom 93	Fall	2024	5th Grade	Mathematics	14.00	20	55.00	41.00	-41	1681
Classroom 102	Fall	2024	5th Grade	Mathematics	36.00	53	65.00	29.00	-29	841
Classroom 111	Fall	2024	5th Grade	Mathematics	67.80	21	84.00	16.20	-16.2	262.44
Classroom 116	Fall	2024	5th Grade	Mathematics	18.00	22	83.60	65.60	-65.6	4303.36
Classroom 167	Winter	2024	5th Grade	Science	30.00	11	84.00	54.00	-54	2916
Classroom 182	Winter	2024	5th Grade	English	48.00	13	65.00	17.00	-17	289
Classroom 185	Winter	2024	5th Grade	English	55.00	21	76.50	21.50	-21.5	462.25
Classroom 200	Winter	2024	5th Grade	Science	33.90	23	80.90	47.00	-47	2209
Classroom 215	Winter	2024	5th Grade	Mathematics	53.33	16	53.33	0.00	0	0
Classroom 220	Winter	2024	5th Grade	English	27.00	17	61.00	34.00	-34	1156
Classroom 221	Winter	2024	5th Grade	Mathematics	12.00	26	71.00	59.00	-59	3481
Classroom 224	Winter	2024	5th Grade	Social Studies	47.00	39	68.00	21.00	-21	441
Classroom 240	Winter	2024	5th Grade	Social Studies	12.50	9	53.10	40.60	-40.6	1648.36
Classroom 249	Winter	2024	5th Grade	Mathematics	3.10	23	36.30	33.20	-33.2	1102.24
Classroom 255	Winter	2024	5th Grade	English	29.30	32	88.00	58.70	-58.7	3445.69
Classroom 262	Winter	2024	5th Grade	Mathematics	12.00	19	88.00	76.00	-76	5776
Classroom 267	Winter	2024	5th Grade	Social Studies	52.40	27	73.60	21.20	-21.2	449.44
Classroom 269	Winter	2024	5th Grade	Mathematics	0.00	15	85.00	85.00	-85	7225
Classroom 271	Winter	2024	5th Grade	Science	62.00	15	78.00	16.00	-16	256
Classroom 273	Winter	2024	5th Grade	Social Studies	39.28	28	77.55	38.27	-38.27	1464.5929

Number of Tests = N	Number of K-12 Students:	Average % Improvement:
27	600	37.97

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

-1025.09	52190.54
"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
L =Top Value (âd/N)	-37.97
M =Middle value	13271.67
O =Bottom Value	702.00
P =Square root of M/O	4.35
T = (L/P)	-8.73
µ = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.680

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 1	Fall	2024	8th Grade	Social Studies	46.00	118	82.00	36.00	-36	1296
Classroom 2	Fall	2024	7th Grade	English	75.00	130	85.00	10.00	-10	100
Classroom 8	Fall	2024	7th Grade	Social Studies	42.00	90	88.50	46.50	-46.5	2162.25
Classroom 12	Fall	2024	8th Grade	Social Studies	43.44	70	73.22	29.78	-29.78	886.8484
Classroom 19	Fall	2024	7th Grade	Social Studies	40.00	87	84.30	44.30	-44.3	1962.49
Classroom 20	Fall	2024	7th Grade	English	70.75	52	89.00	18.25	-18.25	333.0625
Classroom 33	Fall	2024	7th Grade	Social Studies	36.60	35	70.80	34.20	-34.2	1169.64
Classroom 49	Fall	2024	8th Grade	Social Studies	35.00	27	80.00	45.00	-45	2025
Classroom 88	Fall	2024	6th Grade	Science	21.20	144	57.20	36.00	-36	1296
Classroom 126	Winter	2024	8th Grade	Social Studies	5.00	48	85.00	80.00	-80	6400
Classroom 127	Winter	2024	7th Grade	Social Studies	85.00	103	95.00	10.00	-10	100
Classroom 133	Winter	2024	7th Grade	English	86.88	50	90.20	3.32	-3.32	11.0224
Classroom 141	Winter	2024	8th Grade	Health & Physical Education	58.30	74	83.30	25.00	-25	625
Classroom 154	Winter	2024	8th Grade	Social Studies	20.60	107	90.50	69.90	-69.9	4886.01
Classroom 157	Winter	2024	8th Grade	English	56.00	128	87.00	31.00	-31	961
Classroom 163	Winter	2024	8th Grade	English	62.00	34	81.60	19.60	-19.6	384.16
Classroom 164	Winter	2024	6th Grade	Science	42.00	108	80.00	38.00	-38	1444
Classroom 171	Winter	2024	8th Grade	English	45.00	108	82.00	37.00	-37	1369
Classroom 173	Winter	2024	7th Grade	Mathematics	21.30	46	80.60	59.30	-59.3	3516.49
Classroom 178	Winter	2024	8th Grade	Social Studies	37.00	22	76.00	39.00	-39	1521
Classroom 183	Winter	2024	8th Grade	Social Studies	51.13	104	64.52	13.39	-13.39	179.2921
Classroom 184	Winter	2024	8th Grade	English	63.00	27	90.00	27.00	-27	729
Classroom 186	Winter	2024	6th Grade	Music	43.00	28	91.00	48.00	-48	2304
Classroom 195	Winter	2024	7th Grade	English	58.70	90	71.60	12.90	-12.9	166.41
Classroom 197	Winter	2024	7th Grade	Health & Physical Education	29.50	45	91.17	61.67	-61.67	3803.1889
Classroom 198	Winter	2024	8th Grade	Science	43.00	54	69.00	26.00	-26	676
Classroom 206	Winter	2024	7th Grade	Health & Physical Education	61.00	81	96.00	35.00	-35	1225
Classroom 209	Winter	2024	7th Grade	Social Studies	34.60	56	85.40	50.80	-50.8	2580.64
Classroom 211	Winter	2024	7th Grade	Social Studies	63.00	105	83.00	20.00	-20	400
Classroom 265	Winter	2024	8th Grade	Mathematics	26.00	63	88.00	62.00	-62	3844

Number of Tests = N		Number of K-12 Students:	Average % Improvement:	-1068.91	48356.50
30		2234	35.63	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$				L =Top Value (ad/N)	-35.63
				M =Middle value	10270.88
				O =Bottom Value	870.00
				P =Square root of M/O	3.44
				T = (L/P)	-10.37
				μ = 0.05	Critical T = 1.645
				Significant	
				T/Square Root of N = Effect	-1.893

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 15	Fall	2024	9th Grade	Science	42.00	44	79.00	37.00	-37	1369
Classroom 16	Fall	2024	12th Grade	Social Studies	68.80	15	61.80	-7.00	7	49
Classroom 18	Fall	2024	9th Grade	Social Studies	40.00	59	87.00	47.00	-47	2209
Classroom 22	Fall	2024	10th Grade	Art Education	24.00	75	83.00	59.00	-59	3481
Classroom 23	Fall	2024	9th Grade	Social Studies	55.00	39	64.80	9.80	-9.8	96.04
Classroom 24	Fall	2024	10th Grade	Social Studies	58.40	74	80.70	22.30	-22.3	497.29
Classroom 29	Fall	2024	11th Grade	English	66.00	58	79.00	13.00	-13	169
Classroom 30	Fall	2024	11th Grade	Social Studies	48.00	56	81.30	33.30	-33.3	1108.89
Classroom 32	Fall	2024	9th Grade	Music	19.64	39	73.21	53.57	-53.57	2869.7449
Classroom 35	Fall	2024	12th Grade	Music	73.00	80	92.00	19.00	-19	361
Classroom 36	Fall	2024	10th Grade	English	62.10	26	91.20	29.10	-29.1	846.81
Classroom 37	Fall	2024	10th Grade	Social Studies	25.00	55	75.00	50.00	-50	2500
Classroom 43	Fall	2024	11th Grade	Spanish	8.40	76	71.60	63.20	-63.2	3994.24
Classroom 46	Fall	2024	12th Grade	English	66.00	70	70.00	4.00	-4	16
Classroom 48	Fall	2024	10th Grade	Mathematics	48.38	22	58.52	10.14	-10.14	102.8196
Classroom 52	Fall	2024	11th Grade	Mathematics	0.50	22	71.00	70.50	-70.5	4970.25
Classroom 56	Fall	2024	10th Grade	English	57.33	10	72.50	15.17	-15.17	230.1289
Classroom 63	Fall	2024	10th Grade	Science	30.70	98	80.80	50.10	-50.1	2510.01
Classroom 67	Fall	2024	10th Grade	Social Studies	51.00	45	78.00	27.00	-27	729
Classroom 68	Fall	2024	11th Grade	Science	48.00	92	78.00	30.00	-30	900
Classroom 69	Fall	2024	9th Grade	English	68.30	17	91.00	22.70	-22.7	515.29
Classroom 72	Fall	2024	11th Grade	Mathematics	21.50	104	65.90	44.40	-44.4	1971.36
Classroom 75	Fall	2024	11th Grade	Social Studies	54.00	36	85.00	31.00	-31	961
Classroom 81	Fall	2024	10th Grade	Social Studies	59.00	100	79.00	20.00	-20	400
Classroom 82	Fall	2024	10th Grade	Social Studies	61.42	85	86.87	25.45	-25.45	647.7025
Classroom 89	Fall	2024	9th Grade	Mathematics	30.00	79	88.00	58.00	-58	3364
Classroom 106	Fall	2024	9th Grade	Social Studies	49.00	74	75.00	26.00	-26	676
Classroom 108	Fall	2024	11th Grade	Spanish	32.30	83	72.11	39.81	-39.81	1584.8361
Classroom 109	Fall	2024	9th Grade	Social Studies	58.00	49	75.00	17.00	-17	289
Classroom 121	Winter	2024	11th Grade	Social Studies	10.00	44	10.00	0.00	0	0
Classroom 123	Winter	2024	9th Grade	Social Studies	30.00	53	60.00	30.00	-30	900
Classroom 124	Winter	2024	10th Grade	English	47.00	70	80.00	33.00	-33	1089
Classroom 125	Winter	2024	10th Grade	English	56.67	92	79.17	22.50	-22.5	506.25
Classroom 128	Winter	2024	11th Grade	Mathematics	19.47	14	63.33	43.86	-43.86	1923.6996
Classroom 129	Winter	2024	10th Grade	Mathematics	13.20	39	34.70	21.50	-21.5	462.25
Classroom 130	Winter	2024	9th Grade	Spanish	50.30	43	54.50	4.20	-4.2	17.64
Classroom 131	Winter	2024	11th Grade	Music	73.14	28	92.87	19.73	-19.73	389.2729
Classroom 134	Winter	2024	9th Grade	English	69.00	52	86.00	17.00	-17	289
Classroom 135	Winter	2024	11th Grade	Social Studies	66.00	37	83.00	17.00	-17	289
Classroom 136	Winter	2024	12th Grade	English	75.20	20	76.00	0.80	-0.8	0.64
Classroom 137	Winter	2024	9th Grade	Social Studies	61.80	64	79.60	17.80	-17.8	316.84
Classroom 138	Winter	2024	9th Grade	Science	60.00	71	60.00	0.00	0	0
Classroom 139	Winter	2024	10th Grade	Mathematics	45.80	24	73.30	27.50	-27.5	756.25
Classroom 140	Winter	2024	9th Grade	Health & Physical Education	43.00	61	88.00	45.00	-45	2025
Classroom 142	Winter	2024	9th Grade	Mathematics	30.00	47	80.00	50.00	-50	2500
Classroom 144	Winter	2024	11th Grade	Health & Physical Education	42.00	3	86.00	44.00	-44	1936

Classroom 145	Winter	2024	11th Grade	Mathematics	38.00	43	65.00	27.00	-27	729
Classroom 146	Winter	2024	11th Grade	Social Studies	55.10	40	68.90	13.80	-13.8	190.44
Classroom 147	Winter	2024	11th Grade	Art Education	75.00	30	95.00	20.00	-20	400
Classroom 150	Winter	2024	12th Grade	Music	77.00	20	100.00	23.00	-23	529
Classroom 151	Winter	2024	9th Grade	English	16.42	67	21.88	5.46	-5.46	29.8116
Classroom 152	Winter	2024	9th Grade	Mathematics	12.57	76	75.95	63.38	-63.38	4017.0244
Classroom 155	Winter	2024	9th Grade	English	15.80	26	18.50	2.70	-2.7	7.29
Classroom 156	Winter	2024	9th Grade	Social Studies	27.50	127	57.50	30.00	-30	900
Classroom 158	Winter	2024	10th Grade	Social Studies	46.00	30	81.30	35.30	-35.3	1246.09
Classroom 159	Winter	2024	11th Grade	Social Studies	20.00	23	86.00	66.00	-66	4356
Classroom 161	Winter	2024	12th Grade	Mathematics	42.60	53	70.00	27.40	-27.4	750.76
Classroom 162	Winter	2024	12th Grade	Health & Physical Education	91.00	21	96.00	5.00	-5	25
Classroom 165	Winter	2024	9th Grade	Music	47.00	24	86.00	39.00	-39	1521
Classroom 166	Winter	2024	9th Grade	Mathematics	35.00	31	88.00	53.00	-53	2809
Classroom 168	Winter	2024	11th Grade	English	45.30	35	82.30	37.00	-37	1369
Classroom 169	Winter	2024	10th Grade	Science	19.64	25	89.77	70.13	-70.13	4918.2169
Classroom 170	Winter	2024	11th Grade	Social Studies	84.00	30	90.00	6.00	-6	36
Classroom 176	Winter	2024	10th Grade	Social Studies	59.00	97	81.00	22.00	-22	484
Classroom 179	Winter	2024	9th Grade	Science	48.00	29	79.00	31.00	-31	961
Classroom 180	Winter	2024	9th Grade	Music	70.00	45	85.00	15.00	-15	225
Classroom 192	Winter	2024	10th Grade	Science	64.00	58	72.00	8.00	-8	64
Classroom 223	Winter	2024	9th Grade	Mathematics	21.50	68	76.00	54.50	-54.5	2970.25
Classroom 225	Winter	2024	11th Grade	Art Education	76.00	11	88.00	12.00	-12	144
Classroom 232	Winter	2024	12th Grade	Spanish	31.70	32	74.00	42.30	-42.3	1789.29
Classroom 247	Winter	2024	9th Grade	Mathematics	25.00	12	79.10	54.10	-54.1	2926.81
Classroom 256	Winter	2024	12th Grade	Health & Physical Education	82.70	24	83.80	1.10	-1.1	1.21
Classroom 258	Winter	2024	9th Grade	Health & Physical Education	84.00	20	95.00	11.00	-11	121
Classroom 260	Winter	2024	9th Grade	English	60.00	73	89.00	29.00	-29	841
Classroom 264	Winter	2024	11th Grade	Mathematics	3.07	44	75.09	72.02	-72.02	5186.8804
Classroom 276	Winter	2024	9th Grade	Social Studies	47.00	32	82.00	35.00	-35	1225
Classroom 280	Winter	2024	11th Grade	Mathematics	38.54	84	55.00	16.46	-16.46	270.9316
Classroom 281	Winter	2024	10th Grade	Mathematics	52.00	40	64.00	12.00	-12	144

Number of Tests = N
78

Number of K-12 Students:
3814

Average % Improvement:
28.90

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

-2254.08	94007.26
"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
L =Top Value (ad/N)	-28.90
M =Middle value	28867.82
O =Bottom Value	6006.00
P =Square root of M/O	2.19
T = (L/P)	-13.18
μ = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.492

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 22	Fall	2024	10th Grade	Art Education	24.00	75	83.00	59.00	-59	3481
Classroom 32	Fall	2024	9th Grade	Music	19.64	39	73.21	53.57	-53.57	2869.7449
Classroom 34	Fall	2024	5th Grade	Art Education	4.00	48	93.75	89.75	-89.75	8055.0625
Classroom 35	Fall	2024	12th Grade	Music	73.00	80	92.00	19.00	-19	361
Classroom 131	Winter	2024	11th Grade	Music	73.14	28	92.87	19.73	-19.73	389.2729
Classroom 147	Winter	2024	11th Grade	Art Education	75.00	30	95.00	20.00	-20	400
Classroom 150	Winter	2024	12th Grade	Music	77.00	20	100.00	23.00	-23	529
Classroom 153	Winter	2024	4th Grade	Art Education	31.00	42	67.00	36.00	-36	1296
Classroom 160	Winter	2024	2nd Grade	Music	13.00	50	90.60	77.60	-77.6	6021.76
Classroom 165	Winter	2024	9th Grade	Music	47.00	24	86.00	39.00	-39	1521
Classroom 172	Winter	2024	3rd Grade	Music	21.43	98	74.71	53.28	-53.28	2838.7584
Classroom 180	Winter	2024	9th Grade	Music	70.00	45	85.00	15.00	-15	225
Classroom 186	Winter	2024	6th Grade	Music	43.00	28	91.00	48.00	-48	2304
Classroom 225	Winter	2024	11th Grade	Art Education	76.00	11	88.00	12.00	-12	144

Number of Tests = N
14

Number of K-12 Students:
618

Average % Improvement:
40.35

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

-564.93	30435.60
"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
L =Top Value ($\sum d/N$)	-40.35
M =Middle value	7639.46
O =Bottom Value	182.00
P =Square root of M/O	6.48
T = (L/P)	-6.23
$\mu = 0.05$	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.665

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 2	Fall	2024	7th Grade	English	75.00	130	85.00	10.00	-10	100
Classroom 6	Fall	2024	3rd Grade	English	11.00	24	82.50	71.50	-71.5	5112.25
Classroom 9	Fall	2024	1st Grade	English	68.70	20	85.00	16.30	-16.3	265.69
Classroom 20	Fall	2024	7th Grade	English	70.75	52	89.00	18.25	-18.25	333.0625
Classroom 29	Fall	2024	11th Grade	English	66.00	58	79.00	13.00	-13	169
Classroom 36	Fall	2024	10th Grade	English	62.10	26	91.20	29.10	-29.1	846.81
Classroom 40	Fall	2024	Kindergarten	English	90.00	20	95.00	5.00	-5	25
Classroom 41	Fall	2024	3rd Grade	English	47.80	19	73.67	25.87	-25.87	669.2569
Classroom 45	Fall	2024	1st Grade	English	70.00	19	81.00	11.00	-11	121
Classroom 46	Fall	2024	12th Grade	English	66.00	70	70.00	4.00	-4	16
Classroom 47	Fall	2024	1st Grade	English	59.09	23	69.58	10.49	-10.49	110.0401
Classroom 50	Fall	2024	Kindergarten	English	13.00	23	52.00	39.00	-39	1521
Classroom 56	Fall	2024	10th Grade	English	57.33	10	72.50	15.17	-15.17	230.1289
Classroom 60	Fall	2024	Kindergarten	English	56.00	7	81.00	25.00	-25	625
Classroom 69	Fall	2024	9th Grade	English	68.30	17	91.00	22.70	-22.7	515.29
Classroom 95	Fall	2024	Kindergarten	English	66.50	23	94.00	27.50	-27.5	756.25
Classroom 96	Fall	2024	3rd Grade	English	34.60	22	73.30	38.70	-38.7	1497.69
Classroom 101	Fall	2024	2nd Grade	English	56.00	16	83.00	27.00	-27	729
Classroom 113	Fall	2024	Kindergarten	English	71.00	23	81.00	10.00	-10	100
Classroom 120	Winter	2024	3rd Grade	English	50.00	22	75.00	25.00	-25	625
Classroom 122	Winter	2024	2nd Grade	English	20.00	20	55.00	35.00	-35	1225
Classroom 124	Winter	2024	10th Grade	English	47.00	70	80.00	33.00	-33	1089
Classroom 125	Winter	2024	10th Grade	English	56.67	92	79.17	22.50	-22.5	506.25
Classroom 133	Winter	2024	7th Grade	English	86.88	50	90.20	3.32	-3.32	11.0224
Classroom 134	Winter	2024	9th Grade	English	69.00	52	86.00	17.00	-17	289
Classroom 136	Winter	2024	12th Grade	English	75.20	20	76.00	0.80	-0.8	0.64
Classroom 151	Winter	2024	9th Grade	English	16.42	67	21.88	5.46	-5.46	29.8116
Classroom 155	Winter	2024	9th Grade	English	15.80	26	18.50	2.70	-2.7	7.29
Classroom 157	Winter	2024	8th Grade	English	56.00	128	87.00	31.00	-31	961
Classroom 163	Winter	2024	8th Grade	English	62.00	34	81.60	19.60	-19.6	384.16
Classroom 168	Winter	2024	11th Grade	English	45.30	35	82.30	37.00	-37	1369
Classroom 171	Winter	2024	8th Grade	English	45.00	108	82.00	37.00	-37	1369
Classroom 182	Winter	2024	5th Grade	English	48.00	13	65.00	17.00	-17	289
Classroom 184	Winter	2024	8th Grade	English	63.00	27	90.00	27.00	-27	729
Classroom 185	Winter	2024	5th Grade	English	55.00	21	76.50	21.50	-21.5	462.25
Classroom 187	Winter	2024	3rd Grade	English	62.00	19	86.00	24.00	-24	576
Classroom 195	Winter	2024	7th Grade	English	58.70	90	71.60	12.90	-12.9	166.41
Classroom 204	Winter	2024	4th Grade	English	19.00	19	75.50	56.50	-56.5	3192.25
Classroom 220	Winter	2024	5th Grade	English	27.00	17	61.00	34.00	-34	1156
Classroom 222	Winter	2024	4th Grade	English	40.00	16	78.00	38.00	-38	1444
Classroom 230	Winter	2024	3rd Grade	English	44.00	23	57.00	13.00	-13	169
Classroom 233	Winter	2024	3rd Grade	English	33.80	20	75.00	41.20	-41.2	1697.44
Classroom 239	Winter	2024	4th Grade	English	27.00	17	43.00	16.00	-16	256

Classroom 243	Winter	2024	2nd Grade	English	70.00	27	82.00	12.00	-12	144
Classroom 245	Winter	2024	1st Grade	English	53.00	20	98.00	45.00	-45	2025
Classroom 248	Winter	2024	1st Grade	English	30.00	26	54.00	24.00	-24	576
Classroom 255	Winter	2024	5th Grade	English	29.30	32	88.00	58.70	-58.7	3445.69
Classroom 260	Winter	2024	9th Grade	English	60.00	73	89.00	29.00	-29	841
Classroom 272	Winter	2024	2nd Grade	English	73.00	23	91.00	18.00	-18	324

Number of Tests = N		Number of K-12 Students:		Average % Improvement:		-1176.76	39101.68
49		1809		24.02		"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
						L =Top Value (âd/N)	-24.02
						M =Middle value	10841.19
						O =Bottom Value	2352.00
						P =Square root of M/O	2.15
						T = (L/P)	-11.19
						μ = 0.05	Critical T = 1.645
							Significant
						T/Square Root of N = Effect	-1.598

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 3	Fall	2024	2nd Grade	Mathematics	80.00	22	100.00	20.00	-20	400
Classroom 7	Fall	2024	3rd Grade	Mathematics	40.00	83	80.00	40.00	-40	1600
Classroom 10	Fall	2024	2nd Grade	Mathematics	59.50	21	77.30	17.80	-17.8	316.84
Classroom 11	Fall	2024	3rd Grade	Mathematics	58.00	24	68.00	10.00	-10	100
Classroom 13	Fall	2024	5th Grade	Mathematics	47.91	10	73.58	25.67	-25.67	658.9489
Classroom 25	Fall	2024	2nd Grade	Mathematics	30.00	24	79.00	49.00	-49	2401
Classroom 26	Fall	2024	3rd Grade	Mathematics	66.00	27	85.00	19.00	-19	361
Classroom 28	Fall	2024	4th Grade	Mathematics	30.00	18	70.00	40.00	-40	1600
Classroom 31	Fall	2024	1st Grade	Mathematics	22.90	19	40.10	17.20	-17.2	295.84
Classroom 38	Fall	2024	2nd Grade	Mathematics	67.00	15	94.00	27.00	-27	729
Classroom 39	Fall	2024	2nd Grade	Mathematics	33.00	19	71.50	38.50	-38.5	1482.25
Classroom 42	Fall	2024	Kindergarten	Mathematics	53.00	15	73.00	20.00	-20	400
Classroom 44	Fall	2024	2nd Grade	Mathematics	50.00	24	83.30	33.30	-33.3	1108.89
Classroom 48	Fall	2024	10th Grade	Mathematics	48.38	22	58.52	10.14	-10.14	102.8196
Classroom 51	Fall	2024	3rd Grade	Mathematics	30.00	20	85.00	55.00	-55	3025
Classroom 52	Fall	2024	11th Grade	Mathematics	0.50	22	71.00	70.50	-70.5	4970.25
Classroom 55	Fall	2024	2nd Grade	Mathematics	54.00	20	87.00	33.00	-33	1089
Classroom 57	Fall	2024	Kindergarten	Mathematics	17.00	17	70.00	53.00	-53	2809
Classroom 58	Fall	2024	2nd Grade	Mathematics	38.00	18	78.00	40.00	-40	1600
Classroom 59	Fall	2024	5th Grade	Mathematics	11.70	24	32.10	20.40	-20.4	416.16
Classroom 61	Fall	2024	1st Grade	Mathematics	21.00	15	88.00	67.00	-67	4489
Classroom 62	Fall	2024	1st Grade	Mathematics	52.00	19	82.00	30.00	-30	900
Classroom 65	Fall	2024	3rd Grade	Mathematics	42.80	23	80.70	37.90	-37.9	1436.41
Classroom 66	Fall	2024	2nd Grade	Mathematics	21.30	24	99.17	77.87	-77.87	6063.7369
Classroom 71	Fall	2024	2nd Grade	Mathematics	76.00	25	97.00	21.00	-21	441
Classroom 72	Fall	2024	11th Grade	Mathematics	21.50	104	65.90	44.40	-44.4	1971.36
Classroom 74	Fall	2024	2nd Grade	Mathematics	62.00	15	84.00	22.00	-22	484
Classroom 76	Fall	2024	4th Grade	Mathematics	5.00	18	70.00	65.00	-65	4225
Classroom 77	Fall	2024	2nd Grade	Mathematics	83.88	26	100.00	16.12	-16.12	259.8544
Classroom 83	Fall	2024	1st Grade	Mathematics	24.00	12	57.00	33.00	-33	1089
Classroom 84	Fall	2024	Kindergarten	Mathematics	67.10	23	84.80	17.70	-17.7	313.29
Classroom 85	Fall	2024	3rd Grade	Mathematics	37.00	19	87.00	50.00	-50	2500
Classroom 86	Fall	2024	1st Grade	Mathematics	35.00	16	66.00	31.00	-31	961
Classroom 89	Fall	2024	9th Grade	Mathematics	30.00	79	88.00	58.00	-58	3364
Classroom 90	Fall	2024	Kindergarten	Mathematics	69.00	23	74.00	5.00	-5	25
Classroom 91	Fall	2024	Kindergarten	Mathematics	76.00	15	90.00	14.00	-14	196
Classroom 93	Fall	2024	5th Grade	Mathematics	14.00	20	55.00	41.00	-41	1681
Classroom 97	Fall	2024	2nd Grade	Mathematics	49.00	20	79.00	30.00	-30	900
Classroom 98	Fall	2024	1st Grade	Mathematics	70.00	25	93.00	23.00	-23	529
Classroom 99	Fall	2024	2nd Grade	Mathematics	76.25	17	87.50	11.25	-11.25	126.5625
Classroom 100	Fall	2024	Kindergarten	Mathematics	48.00	25	81.00	33.00	-33	1089
Classroom 102	Fall	2024	5th Grade	Mathematics	36.00	53	65.00	29.00	-29	841
Classroom 103	Fall	2024	3rd Grade	Mathematics	49.00	21	57.00	8.00	-8	64

Classroom 105	Fall	2024	1st Grade	Mathematics	45.70	15	92.60	46.90	-46.9	2199.61
Classroom 107	Fall	2024	Kindergarten	Mathematics	73.00	19	94.40	21.40	-21.4	457.96
Classroom 110	Fall	2024	2nd Grade	Mathematics	40.00	20	87.00	47.00	-47	2209
Classroom 111	Fall	2024	5th Grade	Mathematics	67.80	21	84.00	16.20	-16.2	262.44
Classroom 112	Fall	2024	1st Grade	Mathematics	60.00	28	75.00	15.00	-15	225
Classroom 114	Fall	2024	3rd Grade	Mathematics	7.00	19	60.00	53.00	-53	2809
Classroom 115	Fall	2024	4th Grade	Mathematics	21.50	24	61.80	40.30	-40.3	1624.09
Classroom 116	Fall	2024	5th Grade	Mathematics	18.00	22	83.60	65.60	-65.6	4303.36
Classroom 117	Fall	2024	2nd Grade	Mathematics	31.00	23	76.00	45.00	-45	2025
Classroom 118	Fall	2024	Kindergarten	Mathematics	78.00	14	112.00	34.00	-34	1156
Classroom 128	Winter	2024	11th Grade	Mathematics	19.47	14	63.33	43.86	-43.86	1923.6996
Classroom 129	Winter	2024	10th Grade	Mathematics	13.20	39	34.70	21.50	-21.5	462.25
Classroom 132	Winter	2024	1st Grade	Mathematics	68.50	18	85.00	16.50	-16.5	272.25
Classroom 139	Winter	2024	10th Grade	Mathematics	45.80	24	73.30	27.50	-27.5	756.25
Classroom 142	Winter	2024	9th Grade	Mathematics	30.00	47	80.00	50.00	-50	2500
Classroom 145	Winter	2024	11th Grade	Mathematics	38.00	43	65.00	27.00	-27	729
Classroom 149	Winter	2024	4th Grade	Mathematics	20.00	20	50.00	30.00	-30	900
Classroom 152	Winter	2024	9th Grade	Mathematics	12.57	76	75.95	63.38	-63.38	4017.0244
Classroom 161	Winter	2024	12th Grade	Mathematics	42.60	53	70.00	27.40	-27.4	750.76
Classroom 166	Winter	2024	9th Grade	Mathematics	35.00	31	88.00	53.00	-53	2809
Classroom 173	Winter	2024	7th Grade	Mathematics	21.30	46	80.60	59.30	-59.3	3516.49
Classroom 174	Winter	2024	2nd Grade	Mathematics	78.00	19	87.00	9.00	-9	81
Classroom 177	Winter	2024	4th Grade	Mathematics	20.00	20	77.00	57.00	-57	3249
Classroom 188	Winter	2024	1st Grade	Mathematics	21.00	18	40.00	19.00	-19	361
Classroom 189	Winter	2024	Kindergarten	Mathematics	53.00	23	70.00	17.00	-17	289
Classroom 193	Winter	2024	2nd Grade	Mathematics	55.00	26	88.00	33.00	-33	1089
Classroom 196	Winter	2024	Kindergarten	Mathematics	70.00	14	85.00	15.00	-15	225
Classroom 199	Winter	2024	3rd Grade	Mathematics	0.50	14	61.30	60.80	-60.8	3696.64
Classroom 210	Winter	2024	2nd Grade	Mathematics	45.00	15	94.00	49.00	-49	2401
Classroom 212	Winter	2024	3rd Grade	Mathematics	45.00	23	59.00	14.00	-14	196
Classroom 215	Winter	2024	5th Grade	Mathematics	53.33	16	53.33	0.00	0	0
Classroom 216	Winter	2024	3rd Grade	Mathematics	10.00	4	80.00	70.00	-70	4900
Classroom 217	Winter	2024	1st Grade	Mathematics	49.00	18	66.00	17.00	-17	289
Classroom 219	Winter	2024	1st Grade	Mathematics	23.00	15	83.00	60.00	-60	3600
Classroom 221	Winter	2024	5th Grade	Mathematics	12.00	26	71.00	59.00	-59	3481
Classroom 223	Winter	2024	9th Grade	Mathematics	21.50	68	76.00	54.50	-54.5	2970.25
Classroom 226	Winter	2024	2nd Grade	Mathematics	64.00	21	80.00	16.00	-16	256
Classroom 227	Winter	2024	Kindergarten	Mathematics	55.00	19	96.00	41.00	-41	1681
Classroom 228	Winter	2024	3rd Grade	Mathematics	20.00	20	95.00	75.00	-75	5625
Classroom 229	Winter	2024	2nd Grade	Mathematics	63.00	23	79.00	16.00	-16	256
Classroom 234	Winter	2024	1st Grade	Mathematics	64.00	24	83.00	19.00	-19	361
Classroom 241	Winter	2024	Kindergarten	Mathematics	85.00	18	98.00	13.00	-13	169
Classroom 242	Winter	2024	3rd Grade	Mathematics	57.00	22	83.00	26.00	-26	676
Classroom 244	Winter	2024	4th Grade	Mathematics	54.00	26	77.00	23.00	-23	529
Classroom 246	Winter	2024	1st Grade	Mathematics	82.96	27	91.15	8.19	-8.19	67.0761
Classroom 247	Winter	2024	9th Grade	Mathematics	25.00	12	79.10	54.10	-54.1	2926.81

Classroom 249	Winter	2024	5th Grade	Mathematics	3.10	23	36.30	33.20	-33.2	1102.24
Classroom 250	Winter	2024	2nd Grade	Mathematics	75.00	16	81.00	6.00	-6	36
Classroom 251	Winter	2024	Kindergarten	Mathematics	82.00	20	96.00	14.00	-14	196
Classroom 254	Winter	2024	4th Grade	Mathematics	37.00	24	89.00	52.00	-52	2704
Classroom 259	Winter	2024	1st Grade	Mathematics	51.00	18	80.00	29.00	-29	841
Classroom 261	Winter	2024	1st Grade	Mathematics	42.00	23	85.00	43.00	-43	1849
Classroom 262	Winter	2024	5th Grade	Mathematics	12.00	19	88.00	76.00	-76	5776
Classroom 263	Winter	2024	Kindergarten	Mathematics	58.00	14	92.00	34.00	-34	1156
Classroom 264	Winter	2024	11th Grade	Mathematics	3.07	44	75.09	72.02	-72.02	5186.8804
Classroom 265	Winter	2024	8th Grade	Mathematics	26.00	63	88.00	62.00	-62	3844
Classroom 266	Winter	2024	2nd Grade	Mathematics	50.00	23	100.00	50.00	-50	2500
Classroom 268	Winter	2024	1st Grade	Mathematics	78.00	24	90.00	12.00	-12	144
Classroom 269	Winter	2024	5th Grade	Mathematics	0.00	15	85.00	85.00	-85	7225
Classroom 270	Winter	2024	Kindergarten	Mathematics	55.00	19	61.00	6.00	-6	36
Classroom 274	Winter	2024	2nd Grade	Mathematics	53.79	22	83.33	29.54	-29.54	872.6116
Classroom 275	Winter	2024	1st Grade	Mathematics	91.00	25	75.00	-16.00	16	256
Classroom 277	Winter	2024	4th Grade	Mathematics	43.00	26	71.00	28.00	-28	784
Classroom 278	Winter	2024	2nd Grade	Mathematics	49.00	15	74.00	25.00	-25	625
Classroom 280	Winter	2024	11th Grade	Mathematics	38.54	84	55.00	16.46	-16.46	270.9316
Classroom 281	Winter	2024	10th Grade	Mathematics	52.00	40	64.00	12.00	-12	144
Classroom 282	Winter	2024	1st Grade	Mathematics	63.00	21	82.00	19.00	-19	361
Classroom 283	Winter	2024	2nd Grade	Mathematics	71.00	19	80.00	9.00	-9	81
Classroom 284	Winter	2024	3rd Grade	Mathematics	75.00	22	85.00	10.00	-10	100

Number of Tests = N	Number of K-12 Students	Average % Improvement:	-3741.40	170788.84
112	2867	33.41	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}}$			L =Top Value (âd/N)	-33.41
			M =Middle value	45806.03
			O =Bottom Value	12432.00
			P =Square root of M/O	1.92
			T = (L/P)	-17.40
			μ = 0.05	Critical T = 1.645
				Significant
			T/Square Root of N = Effect	-1.644

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 43	Fall	2024	11th Grade	Spanish	8.40	76	71.60	63.20	-63.2	3994.24
Classroom 108	Fall	2024	11th Grade	Spanish	32.30	83	72.11	39.81	-39.81	1584.8361
Classroom 130	Winter	2024	9th Grade	Spanish	50.30	43	54.50	4.20	-4.2	17.64
Classroom 232	Winter	2024	12th Grade	Spanish	31.70	32	74.00	42.30	-42.3	1789.29

Number of Tests = N		Number of K-12 Students:		Average % Improvement:		-149.51	7386.01
4		234		37.38		"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
						L =Top Value (âd/N)	-37.38
						M =Middle value	1797.70
						O =Bottom Value	12.00
						P =Square root of M/O	12.24
						T = (L/P)	-3.05
						µ = 0.05	Critical T = 1.645
							Significant
						T/Square Root of N = Effect	-1.527

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 140	Winter	2024	9th Grade	Health & Physical Education	43.00	61	88.00	45.00	-45	2025
Classroom 141	Winter	2024	8th Grade	Health & Physical Education	58.30	74	83.30	25.00	-25	625
Classroom 144	Winter	2024	11th Grade	Health & Physical Education	42.00	3	86.00	44.00	-44	1936
Classroom 162	Winter	2024	12th Grade	Health & Physical Education	91.00	21	96.00	5.00	-5	25
Classroom 197	Winter	2024	7th Grade	Health & Physical Education	29.50	45	91.17	61.67	-61.67	3803.1889
Classroom 206	Winter	2024	7th Grade	Health & Physical Education	61.00	81	96.00	35.00	-35	1225
Classroom 256	Winter	2024	12th Grade	Health & Physical Education	82.70	24	83.80	1.10	-1.1	1.21
Classroom 258	Winter	2024	9th Grade	Health & Physical Education	84.00	20	95.00	11.00	-11	121

Number of Tests = N		Number of K-12 Students:		Average % Improvement:		-227.77	9761.40
8		329		28.47		"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
						L =Top Value (ā d/N)	-28.47
						M =Middle value	3276.50
						O =Bottom Value	56.00
						P =Square root of M/O	7.65
						T = (L/P)	-3.72
						μ = 0.05	Critical T = 1.645
							Significant
						T/Square Root of N = Effect	-1.316

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 4	Fall	2024	5th Grade	Science	36.00	12	55.00	19.00	-19	361
Classroom 15	Fall	2024	9th Grade	Science	42.00	44	79.00	37.00	-37	1369
Classroom 21	Fall	2024	2nd Grade	Science	71.90	21	85.00	13.10	-13.1	171.61
Classroom 27	Fall	2024	5th Grade	Science	46.00	23	85.00	39.00	-39	1521
Classroom 54	Fall	2024	Kindergarten	Science	71.00	19	73.00	2.00	-2	4
Classroom 63	Fall	2024	10th Grade	Science	30.70	98	80.80	50.10	-50.1	2510.01
Classroom 64	Fall	2024	1st Grade	Science	48.00	17	49.40	1.40	-1.4	1.96
Classroom 68	Fall	2024	11th Grade	Science	48.00	92	78.00	30.00	-30	900
Classroom 70	Fall	2024	Kindergarten	Science	71.00	20	96.00	25.00	-25	625
Classroom 73	Fall	2024	2nd Grade	Science	51.00	21	85.00	34.00	-34	1156
Classroom 79	Fall	2024	5th Grade	Science	45.00	19	65.00	20.00	-20	400
Classroom 80	Fall	2024	3rd Grade	Science	47.00	21	66.00	19.00	-19	361
Classroom 88	Fall	2024	6th Grade	Science	21.20	144	57.20	36.00	-36	1296
Classroom 92	Fall	2024	3rd Grade	Science	43.00	19	61.00	18.00	-18	324
Classroom 138	Winter	2024	9th Grade	Science	60.00	71	60.00	0.00	0	0
Classroom 143	Winter	2024	2nd Grade	Science	51.00	17	94.00	43.00	-43	1849
Classroom 148	Winter	2024	4th Grade	Science	21.50	16	86.00	64.50	-64.5	4160.25
Classroom 164	Winter	2024	6th Grade	Science	42.00	108	80.00	38.00	-38	1444
Classroom 167	Winter	2024	5th Grade	Science	30.00	11	84.00	54.00	-54	2916
Classroom 169	Winter	2024	10th Grade	Science	19.64	25	89.77	70.13	-70.13	4918.2169
Classroom 179	Winter	2024	9th Grade	Science	48.00	29	79.00	31.00	-31	961
Classroom 181	Winter	2024	2nd Grade	Science	49.90	22	86.60	36.70	-36.7	1346.89
Classroom 190	Winter	2024	3rd Grade	Science	42.20	14	96.90	54.70	-54.7	2992.09
Classroom 191	Winter	2024	3rd Grade	Science	64.59	21	91.14	26.55	-26.55	704.9025
Classroom 192	Winter	2024	10th Grade	Science	64.00	58	72.00	8.00	-8	64
Classroom 198	Winter	2024	8th Grade	Science	43.00	54	69.00	26.00	-26	676
Classroom 200	Winter	2024	5th Grade	Science	33.90	23	80.90	47.00	-47	2209
Classroom 201	Winter	2024	2nd Grade	Science	53.00	23	65.00	12.00	-12	144
Classroom 203	Winter	2024	3rd Grade	Science	10.00	18	60.00	50.00	-50	2500
Classroom 208	Winter	2024	3rd Grade	Science	42.00	24	52.00	10.00	-10	100
Classroom 213	Winter	2024	4th Grade	Science	25.00	15	79.00	54.00	-54	2916
Classroom 214	Winter	2024	2nd Grade	Science	77.00	19	84.00	7.00	-7	49
Classroom 218	Winter	2024	Kindergarten	Science	70.00	25	97.50	27.50	-27.5	756.25
Classroom 231	Winter	2024	Kindergarten	Science	88.00	12	100.00	12.00	-12	144
Classroom 235	Winter	2024	Kindergarten	Science	46.15	14	87.50	41.35	-41.35	1709.8225
Classroom 236	Winter	2024	2nd Grade	Science	34.60	15	81.50	46.90	-46.9	2199.61
Classroom 237	Winter	2024	Kindergarten	Science	48.50	16	95.00	46.50	-46.5	2162.25
Classroom 238	Winter	2024	Kindergarten	Science	60.00	11	80.30	20.30	-20.3	412.09
Classroom 253	Winter	2024	4th Grade	Science	68.00	18	75.00	7.00	-7	49
Classroom 271	Winter	2024	5th Grade	Science	62.00	15	78.00	16.00	-16	256
Classroom 279	Winter	2024	2nd Grade	Science	64.75	19	92.75	28.00	-28	784

Number of Tests = N	Number of K-12 Students:	Average % Improvement:
41	1283	29.80

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

-1221.73	49423.95
"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
L =Top Value (âd/N)	-29.80
M =Middle value	13018.48
O =Bottom Value	1640.00
P =Square root of M/O	2.82
T = (L/P)	-10.58
µ = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.652

Classroom Sample	Semester	Year	Grade-Level Assessed	Content Area Assessed	Pre-SCORE (X)	Number of P-12 Students	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 1	Fall	2024	8th Grade	Social Studies	46.00	118	82.00	36.00	-36	1296
Classroom 5	Fall	2024	5th Grade	Social Studies	28.00	14	65.00	37.00	-37	1369
Classroom 8	Fall	2024	7th Grade	Social Studies	42.00	90	88.50	46.50	-46.5	2162.25
Classroom 12	Fall	2024	8th Grade	Social Studies	43.44	70	73.22	29.78	-29.78	886.8484
Classroom 14	Fall	2024	3rd Grade	Social Studies	59.00	23	69.50	10.50	-10.5	110.25
Classroom 16	Fall	2024	12th Grade	Social Studies	68.80	15	61.80	-7.00	7	49
Classroom 17	Fall	2024	1st Grade	Social Studies	62.00	22	90.00	28.00	-28	784
Classroom 18	Fall	2024	9th Grade	Social Studies	40.00	59	87.00	47.00	-47	2209
Classroom 19	Fall	2024	7th Grade	Social Studies	40.00	87	84.30	44.30	-44.3	1962.49
Classroom 23	Fall	2024	9th Grade	Social Studies	55.00	39	64.80	9.80	-9.8	96.04
Classroom 24	Fall	2024	10th Grade	Social Studies	58.40	74	80.70	22.30	-22.3	497.29
Classroom 30	Fall	2024	11th Grade	Social Studies	48.00	56	81.30	33.30	-33.3	1108.89
Classroom 33	Fall	2024	7th Grade	Social Studies	36.60	35	70.80	34.20	-34.2	1169.64
Classroom 37	Fall	2024	10th Grade	Social Studies	25.00	55	75.00	50.00	-50	2500
Classroom 49	Fall	2024	8th Grade	Social Studies	35.00	27	80.00	45.00	-45	2025
Classroom 53	Fall	2024	1st Grade	Social Studies	34.00	15	50.00	16.00	-16	256
Classroom 67	Fall	2024	10th Grade	Social Studies	51.00	45	78.00	27.00	-27	729
Classroom 75	Fall	2024	11th Grade	Social Studies	54.00	36	85.00	31.00	-31	961
Classroom 78	Fall	2024	1st Grade	Social Studies	67.00	20	100.00	33.00	-33	1089
Classroom 81	Fall	2024	10th Grade	Social Studies	59.00	100	79.00	20.00	-20	400
Classroom 82	Fall	2024	10th Grade	Social Studies	61.42	85	86.87	25.45	-25.45	647.7025
Classroom 87	Fall	2024	4th Grade	Social Studies	22.00	18	82.00	60.00	-60	3600
Classroom 94	Fall	2024	Kindergarten	Social Studies	93.60	15	90.00	-3.60	3.6	12.96
Classroom 104	Fall	2024	2nd Grade	Social Studies	65.00	16	75.00	10.00	-10	100
Classroom 106	Fall	2024	9th Grade	Social Studies	49.00	74	75.00	26.00	-26	676
Classroom 109	Fall	2024	9th Grade	Social Studies	58.00	49	75.00	17.00	-17	289
Classroom 119	Winter	2024	1st Grade	Social Studies	25.00	17	73.00	48.00	-48	2304
Classroom 121	Winter	2024	11th Grade	Social Studies	10.00	44	10.00	0.00	0	0
Classroom 123	Winter	2024	9th Grade	Social Studies	30.00	53	60.00	30.00	-30	900
Classroom 126	Winter	2024	8th Grade	Social Studies	5.00	48	85.00	80.00	-80	6400
Classroom 127	Winter	2024	7th Grade	Social Studies	85.00	103	95.00	10.00	-10	100
Classroom 135	Winter	2024	11th Grade	Social Studies	66.00	37	83.00	17.00	-17	289
Classroom 137	Winter	2024	9th Grade	Social Studies	61.80	64	79.60	17.80	-17.8	316.84
Classroom 146	Winter	2024	11th Grade	Social Studies	55.10	40	68.90	13.80	-13.8	190.44
Classroom 154	Winter	2024	8th Grade	Social Studies	20.60	107	90.50	69.90	-69.9	4886.01
Classroom 156	Winter	2024	9th Grade	Social Studies	27.50	127	57.50	30.00	-30	900
Classroom 158	Winter	2024	10th Grade	Social Studies	46.00	30	81.30	35.30	-35.3	1246.09
Classroom 159	Winter	2024	11th Grade	Social Studies	20.00	23	86.00	66.00	-66	4356
Classroom 170	Winter	2024	11th Grade	Social Studies	84.00	30	90.00	6.00	-6	36
Classroom 175	Winter	2024	1st Grade	Social Studies	92.00	19	100.00	8.00	-8	64
Classroom 176	Winter	2024	10th Grade	Social Studies	59.00	97	81.00	22.00	-22	484
Classroom 178	Winter	2024	8th Grade	Social Studies	37.00	22	76.00	39.00	-39	1521
Classroom 183	Winter	2024	8th Grade	Social Studies	51.13	104	64.52	13.39	-13.39	179.2921

Classroom 194	Winter	2024	3rd Grade	Social Studies	27.20	22	70.00	42.80	-42.8	1831.84
Classroom 202	Winter	2024	1st Grade	Social Studies	62.00	16	96.00	34.00	-34	1156
Classroom 205	Winter	2024	2nd Grade	Social Studies	25.94	15	53.38	27.44	-27.44	752.9536
Classroom 207	Winter	2024	2nd Grade	Social Studies	31.00	19	47.00	16.00	-16	256
Classroom 209	Winter	2024	7th Grade	Social Studies	34.60	56	85.40	50.80	-50.8	2580.64
Classroom 211	Winter	2024	7th Grade	Social Studies	63.00	105	83.00	20.00	-20	400
Classroom 224	Winter	2024	5th Grade	Social Studies	47.00	39	68.00	21.00	-21	441
Classroom 240	Winter	2024	5th Grade	Social Studies	12.50	9	53.10	40.60	-40.6	1648.36
Classroom 252	Winter	2024	3rd Grade	Social Studies	28.89	24	56.67	27.78	-27.78	771.7284
Classroom 257	Winter	2024	2nd Grade	Social Studies	61.30	20	91.40	30.10	-30.1	906.01
Classroom 267	Winter	2024	5th Grade	Social Studies	52.40	27	73.60	21.20	-21.2	449.44
Classroom 273	Winter	2024	5th Grade	Social Studies	39.28	28	77.55	38.27	-38.27	1464.5929
Classroom 276	Winter	2024	9th Grade	Social Studies	47.00	32	82.00	35.00	-35	1225

Number of Tests = N
56

Number of K-12 Students:
2634

Average % Improvement:
29.28

$$t = \frac{\frac{\sum d}{N}}{\sqrt{\frac{\sum d^2 - \frac{(\sum d)^2}{N}}{N(N-1)}}$$

-1639.71	65042.60
"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
L =Top Value (ad/N)	-29.28
M =Middle value	17031.01
O =Bottom Value	3080.00
P =Square root of M/O	2.35
T = (L/P)	-12.45
μ = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.664