



Educator Preparation Program

Title: 2025 Teacher Candidate Impact on Student Learning

Evidence Description:

This dataset contains pre- and post-assessment scores from 291 classroom samples collected across Fall and Winter semesters in 2024 and 2025.

Rationale:

This evidence documents the positive impact of Grand Valley State University teacher candidates on Birth-12 student learning growth during clinical placements. Using a pre/post assessment design and a correlated groups t-test, the dataset provides quantitative evidence that candidates effectively contribute to student learning, which is a central requirement of Component R4.1.

Data Range (Cycles):

Winter 2025 and Fall 2025 (two academic semester data cycles represented).

Source/Origin:

GVSU College of Education and Community Innovation's Teacher Candidate Impact on Student Learning survey. Internship candidates self-report on a pre/post test they conducted in their placement.

Population/Stakeholders:

Birth–12 students in classrooms supervised by GVSU teacher candidates during field placements; 291 classroom samples representing approximately 9,227 students across grade levels Birth to Preschool through 12th grade in multiple content areas.

Data Summary or Detailed Description:



This dataset contains pre- and post-assessment scores from 291 classroom samples collected across Fall and Winter semesters in 2024 and 2025. Classrooms span grade levels from Birth to Preschool through 12th grade and include content areas such as Mathematics, English, Social Studies, Science, Art, Music, Health and Physical Education, Spanish, and Latin.

On average, Birth–12 students in these classrooms demonstrated a 28.4 percentage-point improvement from pre- to post-assessment. A correlated groups t-test produced a t-value of -26.27, which exceeds the critical value of 1.645 at the 0.05 significance level, indicating that candidate-facilitated student learning gains are statistically significant. An effect size (T divided by the square root of N) of -1.54 further confirms a meaningful impact.\

Taken together, these results provide strong quantitative evidence that GVSU teacher candidates are contributing positively to Birth–12 student learning growth across a broad range of grade levels, content areas, and school settings.

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 1	Fall	2025	9th Grade	Social Studies	41	36.30	79.70	43.40	-43.40	1883.56
Classroom 2	Fall	2025	4th Grade	Mathematics	25	68.00	79.00	11.00	-11.00	121.00
Classroom 3	Fall	2025	11th Grade, 12th Grade	Social Studies	52	53.00	70.30	17.30	-17.30	299.29
Classroom 4	Fall	2025	7th Grade	Social Studies	87	62.60	76.30	13.70	-13.70	187.69
Classroom 5	Fall	2025	9th Grade	English	42	57.86	70.43	12.57	-12.57	158.00
Classroom 6	Fall	2025	9th Grade, 10th Grade, 11th Grade	Spanish	27	80.54	85.48	4.94	-4.94	24.40
Classroom 7	Fall	2025	9th Grade	English	28	65.00	83.00	18.00	-18.00	324.00
Classroom 8	Fall	2025	8th Grade	Art	13	28.00	85.00	57.00	-57.00	3249.00
Classroom 9	Fall	2025	6th Grade	Music	29	71.00	90.00	19.00	-19.00	361.00
Classroom 10	Fall	2025	8th Grade	English	80	80.00	80.00	0.00	0.00	0.00
Classroom 11	Fall	2025	12th Grade	English	12	54.10	68.10	14.00	-14.00	196.00
Classroom 12	Fall	2025	5th Grade	Mathematics	19	0.00	46.00	46.00	-46.00	2116.00
Classroom 13	Fall	2025	2nd Grade	Mathematics	12	80.00	93.33	13.33	-13.33	177.69
Classroom 14	Fall	2025	8th Grade	Social Studies	24	0.00	72.53	72.53	-72.53	5260.60
Classroom 15	Fall	2025	8th Grade	Social Studies	53	42.00	83.00	41.00	-41.00	1681.00
Classroom 16	Fall	2025	7th Grade	Music	31	24.00	49.00	25.00	-25.00	625.00
Classroom 17	Fall	2025	2nd Grade	Art	47	76.00	93.50	17.50	-17.50	306.25
Classroom 18	Fall	2025	3rd Grade	Social Studies	21	49.60	75.00	25.40	-25.40	645.16
Classroom 19	Fall	2025	8th Grade	Social Studies	104	47.22	67.34	20.12	-20.12	404.81
Classroom 20	Fall	2025	10th Grade	Science	71	47.00	81.00	34.00	-34.00	1156.00
Classroom 21	Fall	2025	8th Grade	Social Studies	46	22.40	74.80	52.40	-52.40	2745.76
Classroom 22	Fall	2025	5th Grade	Mathematics	17	15.60	36.40	20.80	-20.80	432.64
Classroom 23	Fall	2025	6th Grade	Social Studies	28	21.40	78.10	56.70	-56.70	3214.89
Classroom 24	Fall	2025	4th Grade	Science	79	60.50	81.00	20.50	-20.50	420.25
Classroom 25	Fall	2025	9th Grade, 11th Grade	Social Studies	23	76.00	80.00	4.00	-4.00	16.00
Classroom 26	Fall	2025	4th Grade	Mathematics	20	50.00	75.00	25.00	-25.00	625.00
Classroom 27	Fall	2025	Kindergarten	Mathematics	18	61.30	73.50	12.20	-12.20	148.84
Classroom 28	Fall	2025	2nd Grade	Mathematics	21	70.00	87.00	17.00	-17.00	289.00
Classroom 29	Fall	2025	9th Grade, 10th Grade, 11th Grade	Art	26	35.50	58.50	23.00	-23.00	529.00
Classroom 30	Fall	2025	10th Grade, 12th Grade	Mathematics	54	37.90	65.10	27.20	-27.20	739.84
Classroom 31	Fall	2025	8th Grade	Social Studies	21	8.00	42.00	34.00	-34.00	1156.00
Classroom 32	Fall	2025	11th Grade	Social Studies	27	41.45	77.00	35.55	-35.55	1263.80
Classroom 33	Fall	2025	3rd Grade	Mathematics	18	91.00	94.00	3.00	-3.00	9.00
Classroom 34	Fall	2025	9th Grade	Social Studies	76	27.43	71.00	43.57	-43.57	1898.34
Classroom 35	Fall	2025	9th Grade, 10th Grade	Social Studies	17	11.00	53.00	42.00	-42.00	1764.00
Classroom 36	Fall	2025	4th Grade	Mathematics	20	21.00	55.00	34.00	-34.00	1156.00
Classroom 37	Fall	2025	11th Grade, 12th Grade	Social Studies	120	62.00	86.60	24.60	-24.60	605.16
Classroom 38	Fall	2025	9th Grade	Social Studies	78	43.58	79.48	35.90	-35.90	1288.81
Classroom 39	Fall	2025	2nd Grade	Mathematics	22	89.00	95.00	6.00	-6.00	36.00
Classroom 40	Fall	2025	2nd Grade	Mathematics	20	46.05	50.60	4.55	-4.55	20.70
Classroom 41	Fall	2025	5th Grade	Mathematics	24	46.80	71.00	24.20	-24.20	585.64
Classroom 42	Fall	2025	4th Grade	Social Studies	17	49.00	75.00	26.00	-26.00	676.00
Classroom 43	Fall	2025	3rd Grade	Mathematics	24	58.10	79.50	21.40	-21.40	457.96
Classroom 44	Fall	2025	3rd Grade	Mathematics	24	66.00	92.25	26.25	-26.25	689.06
Classroom 45	Fall	2025	3rd Grade	Mathematics	21	83.30	88.20	4.90	-4.90	24.01
Classroom 46	Fall	2025	12th Grade	Social Studies	62	45.00	81.00	36.00	-36.00	1296.00
Classroom 47	Fall	2025	Kindergarten	Social Studies	13	62.80	93.60	30.80	-30.80	948.64
Classroom 48	Fall	2025	9th Grade	Social Studies	21	24.00	80.00	56.00	-56.00	3136.00
Classroom 49	Fall	2025	Kindergarten	Mathematics	19	63.10	76.00	12.90	-12.90	166.41
Classroom 50	Fall	2025	9th Grade	English	72	56.50	90.00	33.50	-33.50	1122.25
Classroom 51	Fall	2025	4th Grade	Mathematics	21	15.00	89.50	74.50	-74.50	5550.25
Classroom 52	Fall	2025	1st Grade	English	20	70.00	79.00	9.00	-9.00	81.00

Classroom 53	Fall	2025	10th Grade	Social Studies	46	60.00	76.60	16.60	-16.60	275.56
Classroom 54	Fall	2025	10th Grade	English	35	24.80	80.02	55.22	-55.22	3049.25
Classroom 55	Fall	2025	8th Grade	Social Studies	78	55.40	87.30	31.90	-31.90	1017.61
Classroom 56	Fall	2025	3rd Grade	Mathematics	22	52.40	74.10	21.70	-21.70	470.89
Classroom 57	Fall	2025	Kindergarten	Mathematics	26	72.00	91.00	19.00	-19.00	361.00
Classroom 58	Fall	2025	1st Grade	Mathematics	18	59.60	80.70	21.10	-21.10	445.21
Classroom 59	Fall	2025	11th Grade	Social Studies	81	16.40	72.00	55.60	-55.60	3091.36
Classroom 60	Fall	2025	3rd Grade	Mathematics	20	29.10	57.80	28.70	-28.70	823.69
Classroom 61	Fall	2025	7th Grade, 8th Grade	Art	12	75.00	95.00	20.00	-20.00	400.00
Classroom 62	Fall	2025	2nd Grade	Mathematics	26	66.96	89.00	22.04	-22.04	485.76
Classroom 63	Fall	2025	11th Grade	English	25	75.10	84.00	8.90	-8.90	79.21
Classroom 64	Fall	2025	Kindergarten, 1st Grade, 2nd Grade, 3rd Grade, 4th Grade, 5th Grade	Mathematics	27	82.40	92.50	10.10	-10.10	102.01
Classroom 65	Fall	2025	9th Grade	English	53	14.80	75.20	60.40	-60.40	3648.16
Classroom 66	Fall	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	29	32.82	78.11	45.29	-45.29	2051.18
Classroom 67	Fall	2025	4th Grade	Social Studies	24	74.00	90.00	16.00	-16.00	256.00
Classroom 68	Fall	2025	12th Grade	English	12	54.21	63.89	9.68	-9.68	93.70
Classroom 69	Fall	2025	2nd Grade	Mathematics	17	57.00	73.80	16.80	-16.80	282.24
Classroom 70	Fall	2025	5th Grade	Mathematics	25	26.00	34.00	8.00	-8.00	64.00
Classroom 71	Fall	2025	7th Grade, 8th Grade	Health and Physical Education	29	46.40	86.20	39.80	-39.80	1584.04
Classroom 72	Fall	2025	2nd Grade	Social Studies	18	33.50	83.00	49.50	-49.50	2450.25
Classroom 73	Fall	2025	3rd Grade	Mathematics	26	72.22	77.08	4.86	-4.86	23.62
Classroom 74	Fall	2025	5th Grade	Mathematics	26	20.00	78.00	58.00	-58.00	3364.00
Classroom 75	Fall	2025	11th Grade, 12th Grade	Science	31	47.50	76.30	28.80	-28.80	829.44
Classroom 76	Fall	2025	3rd Grade	Mathematics	26	72.22	77.08	4.86	-4.86	23.62
Classroom 77	Fall	2025	3rd Grade	Mathematics	23	7.95	69.50	61.55	-61.55	3788.40
Classroom 78	Fall	2025	Kindergarten	Mathematics	16	90.94	100.00	9.06	-9.06	82.08
Classroom 79	Fall	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	25	49.62	86.52	36.90	-36.90	1361.61
Classroom 80	Fall	2025	10th Grade	English	72	48.00	82.00	34.00	-34.00	1156.00
Classroom 81	Fall	2025	6th Grade	Mathematics	45	50.40	72.14	21.74	-21.74	472.63
Classroom 82	Fall	2025	6th Grade	Health and Physical Education	39	51.80	67.10	15.30	-15.30	234.09
Classroom 83	Fall	2025	Kindergarten	English	19	12.75	7.00	-5.75	5.75	33.06
Classroom 84	Fall	2025	Kindergarten	Mathematics	16	68.00	98.50	30.50	-30.50	930.25
Classroom 85	Fall	2025	5th Grade	Mathematics	25	17.36	54.33	36.97	-36.97	1366.78
Classroom 86	Fall	2025	1st Grade	Mathematics	18	60.00	75.00	15.00	-15.00	225.00
Classroom 87	Fall	2025	2nd Grade	Mathematics	19	18.75	44.44	25.69	-25.69	659.98
Classroom 88	Fall	2025	8th Grade	Social Studies	52	31.54	86.00	54.46	-54.46	2965.89
Classroom 89	Fall	2025	1st Grade	Mathematics	17	14.44	15.35	0.91	-0.91	0.83
Classroom 90	Fall	2025	9th Grade	English	70	76.00	97.00	21.00	-21.00	441.00
Classroom 91	Winter	2025	7th Grade	Music	26	67.40	75.60	8.20	-8.20	67.24
Classroom 92	Winter	2025	6th Grade	Music	57	37.50	56.20	18.70	-18.70	349.69
Classroom 93	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	32	57.00	73.00	16.00	-16.00	256.00
Classroom 94	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	22	74.00	87.00	13.00	-13.00	169.00
Classroom 95	Winter	2025	7th Grade, 8th Grade	Art	20	65.00	84.21	19.21	-19.21	369.02
Classroom 96	Winter	2025	7th Grade, 8th Grade	Mathematics	21	25.85	44.90	19.05	-19.05	362.90
Classroom 97	Winter	2025	11th Grade	English	71	20.00	82.30	62.30	-62.30	3881.29
Classroom 98	Winter	2025	7th Grade	Music	29	61.40	72.40	11.00	-11.00	121.00
Classroom 99	Winter	2025	12th Grade	English	42	57.00	83.00	26.00	-26.00	676.00
Classroom 100	Winter	2025	3rd Grade	Mathematics	20	53.00	66.00	13.00	-13.00	169.00
Classroom 101	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Mathematics	56	55.20	84.40	29.20	-29.20	852.64

Classroom 102	Winter	2025	Kindergarten	English	18	72.22	97.22	25.00	-25.00	625.00
Classroom 103	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Spanish	48	47.00	74.40	27.40	-27.40	750.76
Classroom 104	Winter	2025	Kindergarten	English	17	92.16	95.02	2.87	-2.87	8.22
Classroom 105	Winter	2025	11th Grade, 12th Grade	Social Studies	12	63.00	81.80	18.80	-18.80	353.44
Classroom 106	Winter	2025	4th Grade	Music	103	56.25	82.30	26.05	-26.05	678.60
Classroom 107	Winter	2025	5th Grade	Mathematics	22	11.00	73.00	62.00	-62.00	3844.00
Classroom 108	Winter	2025	6th Grade	Art	18	38.90	55.60	16.70	-16.70	278.89
Classroom 109	Winter	2025	3rd Grade	Mathematics	19	66.00	81.00	15.00	-15.00	225.00
Classroom 110	Winter	2025	9th Grade	Health and Physical Education	13	58.00	84.00	26.00	-26.00	676.00
Classroom 111	Winter	2025	5th Grade	Mathematics	23	44.70	92.60	47.90	-47.90	2294.41
Classroom 112	Winter	2025	12th Grade	English	50	64.57	92.01	27.44	-27.44	752.95
Classroom 113	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	27	77.00	86.00	9.00	-9.00	81.00
Classroom 114	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	13	13.30	90.00	76.70	-76.70	5882.89
Classroom 115	Winter	2025	9th Grade	Social Studies	123	16.87	80.50	63.63	-63.63	4048.78
Classroom 116	Winter	2025	Kindergarten	Mathematics	22	68.94	79.55	10.61	-10.61	112.57
Classroom 117	Winter	2025	1st Grade	Mathematics	14	22.00	91.00	69.00	-69.00	4761.00
Classroom 118	Winter	2025	1st Grade	Science	16	41.40	77.10	35.70	-35.70	1274.49
Classroom 119	Winter	2025	3rd Grade	Mathematics	19	7.00	64.00	57.00	-57.00	3249.00
Classroom 120	Winter	2025	9th Grade	Health and Physical Education	14	26.57	93.93	67.36	-67.36	4537.37
Classroom 121	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	25	75.00	94.00	19.00	-19.00	361.00
Classroom 122	Winter	2025	Kindergarten	English	19	72.20	93.40	21.20	-21.20	449.44
Classroom 123	Winter	2025	2nd Grade	Mathematics	22	61.00	67.00	6.00	-6.00	36.00
Classroom 124	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Spanish	20	36.00	48.00	12.00	-12.00	144.00
Classroom 125	Winter	2025	4th Grade	Mathematics	20	47.72	68.67	20.95	-20.95	438.90
Classroom 126	Winter	2025	9th Grade	Music	8	35.38	81.25	45.87	-45.87	2104.06
Classroom 127	Winter	2025	1st Grade	Mathematics	24	65.00	97.00	32.00	-32.00	1024.00
Classroom 128	Winter	2025	1st Grade	Mathematics	21	73.00	89.00	16.00	-16.00	256.00
Classroom 129	Winter	2025	1st Grade	Mathematics	22	53.00	91.00	38.00	-38.00	1444.00
Classroom 130	Winter	2025	9th Grade	Health and Physical Education	44	13.43	77.83	64.40	-64.40	4147.36
Classroom 131	Winter	2025	3rd Grade	Mathematics	26	44.00	93.80	49.80	-49.80	2480.04
Classroom 132	Winter	2025	5th Grade	Health and Physical Education	49	37.00	76.00	39.00	-39.00	1521.00
Classroom 133	Winter	2025	3rd Grade	Art	23	56.30	92.60	36.30	-36.30	1317.69
Classroom 134	Winter	2025	10th Grade	Social Studies	73	62.50	87.50	25.00	-25.00	625.00
Classroom 135	Winter	2025	2nd Grade	English	19	57.00	48.00	-9.00	9.00	81.00
Classroom 136	Winter	2025	10th Grade	Latin	42	39.00	56.40	17.40	-17.40	302.76
Classroom 137	Winter	2025	11th Grade, 12th Grade	Art	14	64.00	90.50	26.50	-26.50	702.25
Classroom 138	Winter	2025	8th Grade	English	111	72.00	76.00	4.00	-4.00	16.00
Classroom 139	Winter	2025	5th Grade	Social Studies	21	0.00	71.60	71.60	-71.60	5126.56
Classroom 140	Winter	2025	2nd Grade	English	18	29.86	59.02	29.16	-29.16	850.31
Classroom 141	Winter	2025	3rd Grade	Mathematics	16	46.80	68.00	21.20	-21.20	449.44
Classroom 142	Winter	2025	Birth to Preschool	English	16	51.00	54.00	3.00	-3.00	9.00
Classroom 143	Winter	2025	5th Grade	Social Studies	22	32.50	52.75	20.25	-20.25	410.06
Classroom 144	Winter	2025	10th Grade	English	18	65.00	80.00	15.00	-15.00	225.00
Classroom 145	Winter	2025	4th Grade	Mathematics	18	47.22	82.35	35.13	-35.13	1234.12
Classroom 146	Winter	2025	9th Grade	English	56	59.08	79.30	20.22	-20.22	408.85
Classroom 147	Winter	2025	5th Grade	Science	23	54.00	86.00	32.00	-32.00	1024.00
Classroom 148	Winter	2025	5th Grade	Social Studies	25	3.85	6.40	2.55	-2.55	6.50
Classroom 149	Winter	2025	Kindergarten	English	18	73.00	93.00	20.00	-20.00	400.00
Classroom 150	Winter	2025	2nd Grade	Mathematics	20	23.00	55.07	32.07	-32.07	1028.48
Classroom 151	Winter	2025	10th Grade	Spanish	52	32.77	80.68	47.91	-47.91	2295.37

Classroom 152	Winter	2025	11th Grade	Social Studies	27	75.00	85.00	10.00	-10.00	100.00
Classroom 153	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	26	100.00	84.67	-15.33	15.33	235.01
Classroom 154	Winter	2025	9th Grade	English	80	68.03	88.57	20.54	-20.54	421.89
Classroom 155	Winter	2025	3rd Grade	English	21	73.00	86.00	13.00	-13.00	169.00
Classroom 156	Winter	2025	2nd Grade	Mathematics	24	60.00	77.00	17.00	-17.00	289.00
Classroom 157	Winter	2025	5th Grade	Mathematics	17	13.00	37.00	24.00	-24.00	576.00
Classroom 158	Winter	2025	Birth to Preschool	English	15	34.00	34.00	0.00	0.00	0.00
Classroom 159	Winter	2025	Kindergarten, 1st Grade, 2nd Grade, 3rd Grade, 4th Grade, 5th Grade, 6th Grade, 7th Grade, 8th Grade	Health and Physical Education	3	73.30	80.00	6.70	-6.70	44.89
Classroom 160	Winter	2025	10th Grade	Science	91	30.00	73.90	43.90	-43.90	1927.21
Classroom 161	Winter	2025	Kindergarten	English	22	25.00	75.00	50.00	-50.00	2500.00
Classroom 162	Winter	2025	8th Grade	Social Studies	90	17.86	76.06	58.20	-58.20	3387.24
Classroom 163	Winter	2025	7th Grade, 8th Grade	Music	24	52.00	83.00	31.00	-31.00	961.00
Classroom 164	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	16	37.50	63.60	26.10	-26.10	681.21
Classroom 165	Winter	2025	10th Grade, 11th Grade, 12th Grade	Science	44	34.00	63.00	29.00	-29.00	841.00
Classroom 166	Winter	2025	1st Grade	Mathematics	22	81.00	93.00	12.00	-12.00	144.00
Classroom 167	Winter	2025	5th Grade	Mathematics	22	27.60	57.30	29.70	-29.70	882.09
Classroom 168	Winter	2025	Kindergarten, 1st Grade	Mathematics	18	43.75	93.00	49.25	-49.25	2425.56
Classroom 169	Winter	2025	3rd Grade	Mathematics	20	57.00	80.00	23.00	-23.00	529.00
Classroom 170	Winter	2025	9th Grade, 10th Grade	Mathematics	75	8.75	86.34	77.59	-77.59	6020.21
Classroom 171	Winter	2025	7th Grade	Social Studies	104	17.00	85.00	68.00	-68.00	4624.00
Classroom 172	Winter	2025	Kindergarten	English	24	78.10	77.10	-1.00	1.00	1.00
Classroom 173	Winter	2025	3rd Grade	Mathematics	19	27.00	68.00	41.00	-41.00	1681.00
Classroom 174	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	38	67.00	83.00	16.00	-16.00	256.00
Classroom 175	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	33	39.00	87.00	48.00	-48.00	2304.00
Classroom 176	Winter	2025	1st Grade	Mathematics	14	17.00	67.00	50.00	-50.00	2500.00
Classroom 177	Winter	2025	5th Grade	Mathematics	23	27.00	77.00	50.00	-50.00	2500.00
Classroom 178	Winter	2025	3rd Grade	Mathematics	19	40.00	84.00	44.00	-44.00	1936.00
Classroom 179	Winter	2025	9th Grade, 10th Grade	Social Studies	60	56.20	87.50	31.30	-31.30	979.69
Classroom 180	Winter	2025	1st Grade	Mathematics	16	41.00	97.00	56.00	-56.00	3136.00
Classroom 181	Winter	2025	7th Grade	English	64	72.00	73.00	1.00	-1.00	1.00
Classroom 182	Winter	2025	5th Grade	Health and Physical Education	15	69.00	78.00	9.00	-9.00	81.00
Classroom 183	Winter	2025	5th Grade	Mathematics	24	61.48	82.00	20.52	-20.52	421.07
Classroom 184	Winter	2025	5th Grade	Science	21	42.00	68.00	26.00	-26.00	676.00
Classroom 185	Winter	2025	Kindergarten	Science	18	58.00	79.00	21.00	-21.00	441.00
Classroom 186	Winter	2025	1st Grade	English	21	42.00	88.00	46.00	-46.00	2116.00
Classroom 187	Winter	2025	9th Grade	English	29	30.80	95.90	65.10	-65.10	4238.01
Classroom 188	Winter	2025	11th Grade, 12th Grade	Social Studies	83	29.50	80.60	51.10	-51.10	2611.21
Classroom 189	Winter	2025	2nd Grade	Mathematics	13	41.00	88.00	47.00	-47.00	2209.00
Classroom 190	Winter	2025	Kindergarten	Science	23	30.00	80.00	50.00	-50.00	2500.00
Classroom 191	Winter	2025	Kindergarten, 1st Grade, 2nd Grade	Health and Physical Education	45	78.40	100.00	21.60	-21.60	466.56
Classroom 192	Winter	2025	3rd Grade	Science	15	41.07	88.24	47.17	-47.17	2225.01
Classroom 193	Winter	2025	1st Grade	Social Studies	21	54.00	86.70	32.70	-32.70	1069.29
Classroom 194	Winter	2025	11th Grade	Social Studies	24	65.20	89.20	24.00	-24.00	576.00
Classroom 195	Winter	2025	1st Grade	Mathematics	11	51.50	82.40	30.90	-30.90	954.81
Classroom 196	Winter	2025	3rd Grade	English	16	59.90	77.40	17.50	-17.50	306.25
Classroom 197	Winter	2025	1st Grade	Mathematics	23	80.00	90.40	10.40	-10.40	108.16
Classroom 198	Winter	2025	Kindergarten	Mathematics	17	45.00	84.00	39.00	-39.00	1521.00
Classroom 199	Winter	2025	4th Grade	Mathematics	13	25.00	42.00	17.00	-17.00	289.00

Classroom 200	Winter	2025	5th Grade	Art	22	78.00	92.00	14.00	-14.00	196.00
Classroom 201	Winter	2025	6th Grade	Social Studies	57	30.00	70.00	40.00	-40.00	1600.00
Classroom 202	Winter	2025	Kindergarten	English	14	66.60	86.10	19.50	-19.50	380.25
Classroom 203	Winter	2025	3rd Grade	Mathematics	19	36.80	68.00	31.20	-31.20	973.44
Classroom 204	Winter	2025	Birth to Preschool	Mathematics	16	25.00	87.50	62.50	-62.50	3906.25
Classroom 205	Winter	2025	Kindergarten	Health and Physical Education	12	50.00	75.00	25.00	-25.00	625.00
Classroom 206	Winter	2025	3rd Grade	Mathematics	18	39.00	69.00	30.00	-30.00	900.00
Classroom 207	Winter	2025	4th Grade	Social Studies	19	4.30	7.01	2.71	-2.71	7.34
Classroom 208	Winter	2025	8th Grade	Social Studies	37	36.49	83.00	46.51	-46.51	2163.18
Classroom 209	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	82	76.90	82.00	5.10	-5.10	26.01
Classroom 210	Winter	2025	2nd Grade	Mathematics	17	58.00	81.00	23.00	-23.00	529.00
Classroom 211	Winter	2025	5th Grade	Mathematics	22	72.60	75.80	3.20	-3.20	10.24
Classroom 212	Winter	2025	2nd Grade	Mathematics	22	51.50	74.30	22.80	-22.80	519.84
Classroom 213	Winter	2025	9th Grade	Science	99	36.60	66.70	30.10	-30.10	906.01
Classroom 214	Winter	2025	3rd Grade	Mathematics	19	58.00	75.00	17.00	-17.00	289.00
Classroom 215	Winter	2025	9th Grade, 10th Grade, 11th Grade	Mathematics	20	13.00	69.30	56.30	-56.30	3169.69
Classroom 216	Winter	2025	1st Grade	Mathematics	20	40.00	81.90	41.90	-41.90	1755.61
Classroom 217	Winter	2025	6th Grade	Health and Physical Education	18	21.00	78.00	57.00	-57.00	3249.00
Classroom 218	Winter	2025	7th Grade	Social Studies	23	69.10	80.00	10.90	-10.90	118.81
Classroom 219	Winter	2025	7th Grade, 9th Grade, 10th Grade, 11th Grade	Health and Physical Education	15	48.00	71.00	23.00	-23.00	529.00
Classroom 220	Winter	2025	4th Grade	Mathematics	18	41.10	70.00	28.90	-28.90	835.21
Classroom 221	Winter	2025	10th Grade	Science	43	48.00	49.00	1.00	-1.00	1.00
Classroom 222	Winter	2025	5th Grade	English	11	46.80	69.40	22.60	-22.60	510.76
Classroom 223	Winter	2025	1st Grade	Mathematics	25	64.00	85.00	21.00	-21.00	441.00
Classroom 224	Winter	2025	Kindergarten	English	25	56.95	88.60	31.65	-31.65	1001.72
Classroom 225	Winter	2025	2nd Grade	Mathematics	17	48.89	95.00	46.11	-46.11	2126.13
Classroom 226	Winter	2025	Kindergarten	Mathematics	11	54.50	63.60	9.10	-9.10	82.81
Classroom 227	Winter	2025	3rd Grade	Mathematics	17	30.00	67.70	37.70	-37.70	1421.29
Classroom 228	Winter	2025	11th Grade	English	20	76.60	88.40	11.80	-11.80	139.24
Classroom 229	Winter	2025	10th Grade	Social Studies	48	27.00	51.00	24.00	-24.00	576.00
Classroom 230	Winter	2025	4th Grade	Mathematics	17	39.00	68.75	29.75	-29.75	885.06
Classroom 231	Winter	2025	4th Grade	Mathematics	21	25.00	62.50	37.50	-37.50	1406.25
Classroom 232	Winter	2025	7th Grade	Health and Physical Education	15	88.75	96.10	7.35	-7.35	54.02
Classroom 233	Winter	2025	1st Grade	Mathematics	17	54.40	73.60	19.20	-19.20	368.64
Classroom 234	Winter	2025	1st Grade	Mathematics	18	64.00	89.00	25.00	-25.00	625.00
Classroom 235	Winter	2025	2nd Grade	Mathematics	22	50.00	86.00	36.00	-36.00	1296.00
Classroom 236	Winter	2025	4th Grade	Mathematics	19	11.00	76.00	65.00	-65.00	4225.00
Classroom 237	Winter	2025	4th Grade	Mathematics	65	41.25	69.23	27.98	-27.98	782.88
Classroom 238	Winter	2025	1st Grade	Mathematics	22	61.04	86.36	25.32	-25.32	641.10
Classroom 239	Winter	2025	11th Grade, 12th Grade	Social Studies	70	64.10	78.20	14.10	-14.10	198.81
Classroom 240	Winter	2025	Kindergarten	English	17	43.00	76.80	33.80	-33.80	1142.44
Classroom 241	Winter	2025	3rd Grade	Mathematics	22	62.70	64.50	1.80	-1.80	3.24
Classroom 242	Winter	2025	9th Grade, 10th Grade, 11th Grade	Mathematics	66	21.80	86.00	64.20	-64.20	4121.64
Classroom 243	Winter	2025	8th Grade, 9th Grade, 10th Grade, 11th Grade	Mathematics	39	3.00	59.00	56.00	-56.00	3136.00
Classroom 244	Winter	2025	11th Grade	Social Studies	15	56.00	82.00	26.00	-26.00	676.00
Classroom 245	Winter	2025	4th Grade	Social Studies	15	26.50	37.00	10.50	-10.50	110.25
Classroom 246	Winter	2025	2nd Grade	Mathematics	17	26.25	44.40	18.15	-18.15	329.42
Classroom 247	Winter	2025	3rd Grade	Mathematics	19	53.00	81.00	28.00	-28.00	784.00
Classroom 248	Winter	2025	1st Grade	Social Studies	20	38.50	78.80	40.30	-40.30	1624.09
Classroom 249	Winter	2025	7th Grade	English	94	68.30	73.90	5.60	-5.60	31.36
Classroom 250	Winter	2025	10th Grade, 11th Grade, 12th Grade	Mathematics	22	35.89	68.56	32.67	-32.67	1067.33

Classroom 251	Winter	2025	3rd Grade	Mathematics	22	44.93	73.92	28.99	-28.99	840.42
Classroom 252	Winter	2025	4th Grade	Mathematics	14	37.00	62.25	25.25	-25.25	637.56
Classroom 253	Winter	2025	3rd Grade	Mathematics	26	55.29	81.25	25.96	-25.96	673.92
Classroom 254	Winter	2025	3rd Grade	Mathematics	20	55.19	65.07	9.88	-9.88	97.61
Classroom 255	Winter	2025	Birth to Preschool	Mathematics	18	21.00	62.00	41.00	-41.00	1681.00
Classroom 256	Winter	2025	7th Grade	Social Studies	110	69.50	90.20	20.70	-20.70	428.49
Classroom 257	Winter	2025	7th Grade, 8th Grade	Health and Physical Education	29	55.00	74.13	19.13	-19.13	365.96
Classroom 258	Winter	2025	10th Grade, 11th Grade, 12th Grade	Art	21	50.00	75.00	25.00	-25.00	625.00
Classroom 259	Winter	2025	7th Grade, 8th Grade	Health and Physical Education	23	44.80	81.60	36.80	-36.80	1354.24
Classroom 260	Winter	2025	2nd Grade	Social Studies	13	30.00	57.00	27.00	-27.00	729.00
Classroom 261	Winter	2025	8th Grade	Social Studies	87	33.30	56.04	22.74	-22.74	517.11
Classroom 262	Winter	2025	9th Grade	Social Studies	31	71.00	80.00	9.00	-9.00	81.00
Classroom 263	Winter	2025	8th Grade	Mathematics	63	20.00	57.40	37.40	-37.40	1398.76
Classroom 264	Winter	2025	3rd Grade	Mathematics	25	18.50	48.70	30.20	-30.20	912.04
Classroom 265	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	50	80.00	90.00	10.00	-10.00	100.00
Classroom 266	Winter	2025	8th Grade	Social Studies	116	38.00	54.00	16.00	-16.00	256.00
Classroom 267	Winter	2025	1st Grade	Mathematics	18	35.00	73.00	38.00	-38.00	1444.00
Classroom 268	Winter	2025	2nd Grade	Science	18	62.20	88.40	26.20	-26.20	686.44
Classroom 269	Winter	2025	3rd Grade	Mathematics	24	67.00	91.25	24.25	-24.25	588.06
Classroom 270	Winter	2025	2nd Grade	Mathematics	19	73.00	90.00	17.00	-17.00	289.00
Classroom 271	Winter	2025	2nd Grade	Science	23	79.00	99.00	20.00	-20.00	400.00
Classroom 272	Winter	2025	5th Grade	Mathematics	14	26.00	68.00	42.00	-42.00	1764.00
Classroom 273	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Social Studies	94	3.77	81.00	77.23	-77.23	5964.47
Classroom 274	Winter	2025	4th Grade	Mathematics	13	30.70	95.84	65.14	-65.14	4243.22
Classroom 275	Winter	2025	2nd Grade	Social Studies	15	42.90	64.84	21.94	-21.94	481.36
Classroom 276	Winter	2025	1st Grade	Mathematics	15	77.60	74.40	-3.20	3.20	10.24
Classroom 277	Winter	2025	8th Grade	Spanish	46	40.40	86.20	45.80	-45.80	2097.64
Classroom 278	Winter	2025	5th Grade	Mathematics	22	55.00	66.00	11.00	-11.00	121.00
Classroom 279	Winter	2025	1st Grade	Mathematics	18	51.00	83.00	32.00	-32.00	1024.00
Classroom 280	Winter	2025	5th Grade	Mathematics	27	46.00	91.00	45.00	-45.00	2025.00
Classroom 281	Winter	2025	Kindergarten	Mathematics	25	18.00	72.00	54.00	-54.00	2916.00
Classroom 282	Winter	2025	5th Grade	Mathematics	15	13.30	60.70	47.40	-47.40	2246.76
Classroom 283	Winter	2025	2nd Grade	Mathematics	24	80.00	85.00	5.00	-5.00	25.00
Classroom 284	Winter	2025	3rd Grade	Mathematics	26	66.85	87.69	20.84	-20.84	434.31
Classroom 285	Winter	2025	2nd Grade	Mathematics	16	35.00	85.00	50.00	-50.00	2500.00
Classroom 286	Winter	2025	8th Grade, 9th Grade	Music	4	30.00	61.00	31.00	-31.00	961.00
Classroom 287	Winter	2025	5th Grade	English	24	76.00	80.00	4.00	-4.00	16.00
Classroom 288	Winter	2025	5th Grade	Mathematics	17	13.00	93.00	80.00	-80.00	6400.00
Classroom 289	Winter	2025	4th Grade	English	15	58.00	79.00	21.00	-21.00	441.00
Classroom 290	Winter	2025	9th Grade	Social Studies	82	44.86	89.00	44.14	-44.14	1948.34
Classroom 291	Winter	2025	10th Grade, 11th Grade	Science	78	32.73	88.82	56.09	-56.09	3146.09

Number of Tests = N 291	Number of Birth-12 Students: 9227	Average % Improvement: 28.43	-8274.34	334115.28
			"X-Y" or "ED"	"(X-Y)^2" or "ED^2"

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

Correlated Groups T-test

L =Top Value ($\sum d/N$)	-28.43
M =Middle value	98841.56
O =Bottom Value	84390.00
P =Square root of M/O	1.08
T = (L/P)	-26.27
$\alpha = 0.05$	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.540

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 142	Winter	2025	Birth to Preschool	English	16	51.00	54.00	3.00	-3.00	9.00
Classroom 158	Winter	2025	Birth to Preschool	English	15	34.00	34.00	0.00	0.00	0.00
Classroom 204	Winter	2025	Birth to Preschool	Mathematics	16	25.00	87.50	62.50	-62.50	3906.25
Classroom 255	Winter	2025	Birth to Preschool	Mathematics	18	21.00	62.00	41.00	-41.00	1681.00

Number of Tests = N	Number of Birth-12 Students:	Average % Improvement:	-106.50	5596.25
4	65	26.63	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"

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

Correlated Groups T-test

L =Top Value (Σd/N)	-26.63
M =Middle value	2760.69
O =Bottom Value	12.00
P =Square root of M/O	15.17
T = (L/P)	-1.76
α = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-0.878

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 2	Fall	2025	4th Grade	Mathematics	25	68.00	79.00	11.00	-11.00	121.00
Classroom 12	Fall	2025	5th Grade	Mathematics	19	0.00	46.00	46.00	-46.00	2116.00
Classroom 13	Fall	2025	2nd Grade	Mathematics	12	80.00	93.33	13.33	-13.33	177.69
Classroom 17	Fall	2025	2nd Grade	Art	47	76.00	93.50	17.50	-17.50	306.25
Classroom 18	Fall	2025	3rd Grade	Social Studies	21	49.60	75.00	25.40	-25.40	645.16
Classroom 22	Fall	2025	5th Grade	Mathematics	17	15.60	36.40	20.80	-20.80	432.64
Classroom 24	Fall	2025	4th Grade	Science	79	60.50	81.00	20.50	-20.50	420.25
Classroom 26	Fall	2025	4th Grade	Mathematics	20	50.00	75.00	25.00	-25.00	625.00
Classroom 27	Fall	2025	Kindergarten	Mathematics	18	61.30	73.50	12.20	-12.20	148.84
Classroom 28	Fall	2025	2nd Grade	Mathematics	21	70.00	87.00	17.00	-17.00	289.00
Classroom 33	Fall	2025	3rd Grade	Mathematics	18	91.00	94.00	3.00	-3.00	9.00
Classroom 36	Fall	2025	4th Grade	Mathematics	20	21.00	55.00	34.00	-34.00	1156.00
Classroom 39	Fall	2025	2nd Grade	Mathematics	22	89.00	95.00	6.00	-6.00	36.00
Classroom 40	Fall	2025	2nd Grade	Mathematics	20	46.05	50.60	4.55	-4.55	20.70
Classroom 41	Fall	2025	5th Grade	Mathematics	24	46.80	71.00	24.20	-24.20	585.64
Classroom 42	Fall	2025	4th Grade	Social Studies	17	49.00	75.00	26.00	-26.00	676.00
Classroom 43	Fall	2025	3rd Grade	Mathematics	24	58.10	79.50	21.40	-21.40	457.96
Classroom 44	Fall	2025	3rd Grade	Mathematics	24	66.00	92.25	26.25	-26.25	689.06
Classroom 45	Fall	2025	3rd Grade	Mathematics	21	83.30	88.20	4.90	-4.90	24.01
Classroom 47	Fall	2025	Kindergarten	Social Studies	13	62.80	93.60	30.80	-30.80	948.64
Classroom 49	Fall	2025	Kindergarten	Mathematics	19	63.10	76.00	12.90	-12.90	166.41
Classroom 51	Fall	2025	4th Grade	Mathematics	21	15.00	89.50	74.50	-74.50	5550.25
Classroom 52	Fall	2025	1st Grade	English	20	70.00	79.00	9.00	-9.00	81.00
Classroom 56	Fall	2025	3rd Grade	Mathematics	22	52.40	74.10	21.70	-21.70	470.89
Classroom 57	Fall	2025	Kindergarten	Mathematics	26	72.00	91.00	19.00	-19.00	361.00
Classroom 58	Fall	2025	1st Grade	Mathematics	18	59.60	80.70	21.10	-21.10	445.21
Classroom 60	Fall	2025	3rd Grade	Mathematics	20	29.10	57.80	28.70	-28.70	823.69
Classroom 62	Fall	2025	2nd Grade	Mathematics	26	66.96	89.00	22.04	-22.04	485.76
Classroom 64	Fall	2025	Kindergarten, 1st Grade, 2nd Grade, 3rd Grade, 4th Grade, 5th Grade	Mathematics	27	82.40	92.50	10.10	-10.10	102.01
Classroom 67	Fall	2025	4th Grade	Social Studies	24	74.00	90.00	16.00	-16.00	256.00
Classroom 69	Fall	2025	2nd Grade	Mathematics	17	57.00	73.80	16.80	-16.80	282.24
Classroom 70	Fall	2025	5th Grade	Mathematics	25	26.00	34.00	8.00	-8.00	64.00
Classroom 72	Fall	2025	2nd Grade	Social Studies	18	33.50	83.00	49.50	-49.50	2450.25
Classroom 73	Fall	2025	3rd Grade	Mathematics	26	72.22	77.08	4.86	-4.86	23.62
Classroom 74	Fall	2025	5th Grade	Mathematics	26	20.00	78.00	58.00	-58.00	3364.00
Classroom 76	Fall	2025	3rd Grade	Mathematics	26	72.22	77.08	4.86	-4.86	23.62
Classroom 77	Fall	2025	3rd Grade	Mathematics	23	7.95	69.50	61.55	-61.55	3788.40
Classroom 78	Fall	2025	Kindergarten	Mathematics	16	90.94	100.00	9.06	-9.06	82.08
Classroom 83	Fall	2025	Kindergarten	English	19	12.75	7.00	-5.75	5.75	33.06
Classroom 84	Fall	2025	Kindergarten	Mathematics	16	68.00	98.50	30.50	-30.50	930.25
Classroom 85	Fall	2025	5th Grade	Mathematics	25	17.36	54.33	36.97	-36.97	1366.78
Classroom 86	Fall	2025	1st Grade	Mathematics	18	60.00	75.00	15.00	-15.00	225.00
Classroom 87	Fall	2025	2nd Grade	Mathematics	19	18.75	44.44	25.69	-25.69	659.98
Classroom 89	Fall	2025	1st Grade	Mathematics	17	14.44	15.35	0.91	-0.91	0.83
Classroom 100	Winter	2025	3rd Grade	Mathematics	20	53.00	66.00	13.00	-13.00	169.00
Classroom 102	Winter	2025	Kindergarten	English	18	72.22	97.22	25.00	-25.00	625.00
Classroom 104	Winter	2025	Kindergarten	English	17	92.16	95.02	2.87	-2.87	8.22
Classroom 106	Winter	2025	4th Grade	Music	103	56.25	82.30	26.05	-26.05	678.60
Classroom 107	Winter	2025	5th Grade	Mathematics	22	11.00	73.00	62.00	-62.00	3844.00
Classroom 109	Winter	2025	3rd Grade	Mathematics	19	66.00	81.00	15.00	-15.00	225.00
Classroom 111	Winter	2025	5th Grade	Mathematics	23	44.70	92.60	47.90	-47.90	2294.41

Classroom 116	Winter	2025	Kindergarten	Mathematics	22	68.94	79.55	10.61	-10.61	112.57
Classroom 117	Winter	2025	1st Grade	Mathematics	14	22.00	91.00	69.00	-69.00	4761.00
Classroom 118	Winter	2025	1st Grade	Science	16	41.40	77.10	35.70	-35.70	1274.49
Classroom 119	Winter	2025	3rd Grade	Mathematics	19	7.00	64.00	57.00	-57.00	3249.00
Classroom 122	Winter	2025	Kindergarten	English	19	72.20	93.40	21.20	-21.20	449.44
Classroom 123	Winter	2025	2nd Grade	Mathematics	22	61.00	67.00	6.00	-6.00	36.00
Classroom 125	Winter	2025	4th Grade	Mathematics	20	47.72	68.67	20.95	-20.95	438.90
Classroom 127	Winter	2025	1st Grade	Mathematics	24	65.00	97.00	32.00	-32.00	1024.00
Classroom 128	Winter	2025	1st Grade	Mathematics	21	73.00	89.00	16.00	-16.00	256.00
Classroom 129	Winter	2025	1st Grade	Mathematics	22	53.00	91.00	38.00	-38.00	1444.00
Classroom 131	Winter	2025	3rd Grade	Mathematics	26	44.00	93.80	49.80	-49.80	2480.04
Classroom 132	Winter	2025	5th Grade	Health and Physical Education	49	37.00	76.00	39.00	-39.00	1521.00
Classroom 133	Winter	2025	3rd Grade	Art	23	56.30	92.60	36.30	-36.30	1317.69
Classroom 135	Winter	2025	2nd Grade	English	19	57.00	48.00	-9.00	9.00	81.00
Classroom 139	Winter	2025	5th Grade	Social Studies	21	0.00	71.60	71.60	-71.60	5126.56
Classroom 140	Winter	2025	2nd Grade	English	18	29.86	59.02	29.16	-29.16	850.31
Classroom 141	Winter	2025	3rd Grade	Mathematics	16	46.80	68.00	21.20	-21.20	449.44
Classroom 143	Winter	2025	5th Grade	Social Studies	22	32.50	52.75	20.25	-20.25	410.06
Classroom 145	Winter	2025	4th Grade	Mathematics	18	47.22	82.35	35.13	-35.13	1234.12
Classroom 147	Winter	2025	5th Grade	Science	23	54.00	86.00	32.00	-32.00	1024.00
Classroom 148	Winter	2025	5th Grade	Social Studies	25	3.85	6.40	2.55	-2.55	6.50
Classroom 149	Winter	2025	Kindergarten	English	18	73.00	93.00	20.00	-20.00	400.00
Classroom 150	Winter	2025	2nd Grade	Mathematics	20	23.00	55.07	32.07	-32.07	1028.48
Classroom 155	Winter	2025	3rd Grade	English	21	73.00	86.00	13.00	-13.00	169.00
Classroom 156	Winter	2025	2nd Grade	Mathematics	24	60.00	77.00	17.00	-17.00	289.00
Classroom 157	Winter	2025	5th Grade	Mathematics	17	13.00	37.00	24.00	-24.00	576.00
Classroom 159	Winter	2025	Kindergarten, 1st Grade, 2nd Grade, 3rd Grade, 4th Grade, 5th Grade, 6th Grade, 7th Grade, 8th Grade	Health and Physical Education	3	73.30	80.00	6.70	-6.70	44.89
Classroom 161	Winter	2025	Kindergarten	English	22	25.00	75.00	50.00	-50.00	2500.00
Classroom 166	Winter	2025	1st Grade	Mathematics	22	81.00	93.00	12.00	-12.00	144.00
Classroom 167	Winter	2025	5th Grade	Mathematics	22	27.60	57.30	29.70	-29.70	882.09
Classroom 168	Winter	2025	Kindergarten, 1st Grade	Mathematics	18	43.75	93.00	49.25	-49.25	2425.56
Classroom 169	Winter	2025	3rd Grade	Mathematics	20	57.00	80.00	23.00	-23.00	529.00
Classroom 172	Winter	2025	Kindergarten	English	24	78.10	77.10	-1.00	1.00	1.00
Classroom 173	Winter	2025	3rd Grade	Mathematics	19	27.00	68.00	41.00	-41.00	1681.00
Classroom 176	Winter	2025	1st Grade	Mathematics	14	17.00	67.00	50.00	-50.00	2500.00
Classroom 177	Winter	2025	5th Grade	Mathematics	23	27.00	77.00	50.00	-50.00	2500.00
Classroom 178	Winter	2025	3rd Grade	Mathematics	19	40.00	84.00	44.00	-44.00	1936.00
Classroom 180	Winter	2025	1st Grade	Mathematics	16	41.00	97.00	56.00	-56.00	3136.00
Classroom 182	Winter	2025	5th Grade	Health and Physical Education	15	69.00	78.00	9.00	-9.00	81.00
Classroom 183	Winter	2025	5th Grade	Mathematics	24	61.48	82.00	20.52	-20.52	421.07
Classroom 184	Winter	2025	5th Grade	Science	21	42.00	68.00	26.00	-26.00	676.00
Classroom 185	Winter	2025	Kindergarten	Science	18	58.00	79.00	21.00	-21.00	441.00
Classroom 186	Winter	2025	1st Grade	English	21	42.00	88.00	46.00	-46.00	2116.00
Classroom 189	Winter	2025	2nd Grade	Mathematics	13	41.00	88.00	47.00	-47.00	2209.00
Classroom 190	Winter	2025	Kindergarten	Science	23	30.00	80.00	50.00	-50.00	2500.00
Classroom 191	Winter	2025	Kindergarten, 1st Grade, 2nd Grade	Health and Physical Education	45	78.40	100.00	21.60	-21.60	466.56
Classroom 192	Winter	2025	3rd Grade	Science	15	41.07	88.24	47.17	-47.17	2225.01
Classroom 193	Winter	2025	1st Grade	Social Studies	21	54.00	86.70	32.70	-32.70	1069.29
Classroom 195	Winter	2025	1st Grade	Mathematics	11	51.50	82.40	30.90	-30.90	954.81
Classroom 196	Winter	2025	3rd Grade	English	16	59.90	77.40	17.50	-17.50	306.25
Classroom 197	Winter	2025	1st Grade	Mathematics	23	80.00	90.40	10.40	-10.40	108.16
Classroom 198	Winter	2025	Kindergarten	Mathematics	17	45.00	84.00	39.00	-39.00	1521.00
Classroom 199	Winter	2025	4th Grade	Mathematics	13	25.00	42.00	17.00	-17.00	289.00

Classroom 200	Winter	2025	5th Grade	Art	22	78.00	92.00	14.00	-14.00	196.00
Classroom 202	Winter	2025	Kindergarten	English	14	66.60	86.10	19.50	-19.50	380.25
Classroom 203	Winter	2025	3rd Grade	Mathematics	19	36.80	68.00	31.20	-31.20	973.44
Classroom 205	Winter	2025	Kindergarten	Health and Physical Education	12	50.00	75.00	25.00	-25.00	625.00
Classroom 206	Winter	2025	3rd Grade	Mathematics	18	39.00	69.00	30.00	-30.00	900.00
Classroom 207	Winter	2025	4th Grade	Social Studies	19	4.30	7.01	2.71	-2.71	7.34
Classroom 210	Winter	2025	2nd Grade	Mathematics	17	58.00	81.00	23.00	-23.00	529.00
Classroom 211	Winter	2025	5th Grade	Mathematics	22	72.60	75.80	3.20	-3.20	10.24
Classroom 212	Winter	2025	2nd Grade	Mathematics	22	51.50	74.30	22.80	-22.80	519.84
Classroom 214	Winter	2025	3rd Grade	Mathematics	19	58.00	75.00	17.00	-17.00	289.00
Classroom 216	Winter	2025	1st Grade	Mathematics	20	40.00	81.90	41.90	-41.90	1755.61
Classroom 220	Winter	2025	4th Grade	Mathematics	18	41.10	70.00	28.90	-28.90	835.21
Classroom 222	Winter	2025	5th Grade	English	11	46.80	69.40	22.60	-22.60	510.76
Classroom 223	Winter	2025	1st Grade	Mathematics	25	64.00	85.00	21.00	-21.00	441.00
Classroom 224	Winter	2025	Kindergarten	English	25	56.95	88.60	31.65	-31.65	1001.72
Classroom 225	Winter	2025	2nd Grade	Mathematics	17	48.89	95.00	46.11	-46.11	2126.13
Classroom 226	Winter	2025	Kindergarten	Mathematics	11	54.50	63.60	9.10	-9.10	82.81
Classroom 227	Winter	2025	3rd Grade	Mathematics	17	30.00	67.70	37.70	-37.70	1421.29
Classroom 230	Winter	2025	4th Grade	Mathematics	17	39.00	68.75	29.75	-29.75	885.06
Classroom 231	Winter	2025	4th Grade	Mathematics	21	25.00	62.50	37.50	-37.50	1406.25
Classroom 233	Winter	2025	1st Grade	Mathematics	17	54.40	73.60	19.20	-19.20	368.64
Classroom 234	Winter	2025	1st Grade	Mathematics	18	64.00	89.00	25.00	-25.00	625.00
Classroom 235	Winter	2025	2nd Grade	Mathematics	22	50.00	86.00	36.00	-36.00	1296.00
Classroom 236	Winter	2025	4th Grade	Mathematics	19	11.00	76.00	65.00	-65.00	4225.00
Classroom 237	Winter	2025	4th Grade	Mathematics	65	41.25	69.23	27.98	-27.98	782.88
Classroom 238	Winter	2025	1st Grade	Mathematics	22	61.04	86.36	25.32	-25.32	641.10
Classroom 240	Winter	2025	Kindergarten	English	17	43.00	76.80	33.80	-33.80	1142.44
Classroom 241	Winter	2025	3rd Grade	Mathematics	22	62.70	64.50	1.80	-1.80	3.24
Classroom 245	Winter	2025	4th Grade	Social Studies	15	26.50	37.00	10.50	-10.50	110.25
Classroom 246	Winter	2025	2nd Grade	Mathematics	17	26.25	44.40	18.15	-18.15	329.42
Classroom 247	Winter	2025	3rd Grade	Mathematics	19	53.00	81.00	28.00	-28.00	784.00
Classroom 248	Winter	2025	1st Grade	Social Studies	20	38.50	78.80	40.30	-40.30	1624.09
Classroom 251	Winter	2025	3rd Grade	Mathematics	22	44.93	73.92	28.99	-28.99	840.42
Classroom 252	Winter	2025	4th Grade	Mathematics	14	37.00	62.25	25.25	-25.25	637.56
Classroom 253	Winter	2025	3rd Grade	Mathematics	26	55.29	81.25	25.96	-25.96	673.92
Classroom 254	Winter	2025	3rd Grade	Mathematics	20	55.19	65.07	9.88	-9.88	97.61
Classroom 260	Winter	2025	2nd Grade	Social Studies	13	30.00	57.00	27.00	-27.00	729.00
Classroom 264	Winter	2025	3rd Grade	Mathematics	25	18.50	48.70	30.20	-30.20	912.04
Classroom 267	Winter	2025	1st Grade	Mathematics	18	35.00	73.00	38.00	-38.00	1444.00
Classroom 268	Winter	2025	2nd Grade	Science	18	62.20	88.40	26.20	-26.20	686.44
Classroom 269	Winter	2025	3rd Grade	Mathematics	24	67.00	91.25	24.25	-24.25	588.06
Classroom 270	Winter	2025	2nd Grade	Mathematics	19	73.00	90.00	17.00	-17.00	289.00
Classroom 271	Winter	2025	2nd Grade	Science	23	79.00	99.00	20.00	-20.00	400.00
Classroom 272	Winter	2025	5th Grade	Mathematics	14	26.00	68.00	42.00	-42.00	1764.00
Classroom 274	Winter	2025	4th Grade	Mathematics	13	30.70	95.84	65.14	-65.14	4243.22
Classroom 275	Winter	2025	2nd Grade	Social Studies	15	42.90	64.84	21.94	-21.94	481.36
Classroom 276	Winter	2025	1st Grade	Mathematics	15	77.60	74.40	-3.20	3.20	10.24
Classroom 278	Winter	2025	5th Grade	Mathematics	22	55.00	66.00	11.00	-11.00	121.00
Classroom 279	Winter	2025	1st Grade	Mathematics	18	51.00	83.00	32.00	-32.00	1024.00
Classroom 280	Winter	2025	5th Grade	Mathematics	27	46.00	91.00	45.00	-45.00	2025.00
Classroom 281	Winter	2025	Kindergarten	Mathematics	25	18.00	72.00	54.00	-54.00	2916.00
Classroom 282	Winter	2025	5th Grade	Mathematics	15	13.30	60.70	47.40	-47.40	2246.76
Classroom 283	Winter	2025	2nd Grade	Mathematics	24	80.00	85.00	5.00	-5.00	25.00
Classroom 284	Winter	2025	3rd Grade	Mathematics	26	66.85	87.69	20.84	-20.84	434.31
Classroom 285	Winter	2025	2nd Grade	Mathematics	16	35.00	85.00	50.00	-50.00	2500.00

Classroom 287	Winter	2025	5th Grade	English	24	76.00	80.00	4.00	-4.00	16.00
Classroom 288	Winter	2025	5th Grade	Mathematics	17	13.00	93.00	80.00	-80.00	6400.00
Classroom 289	Winter	2025	4th Grade	English	15	58.00	79.00	21.00	-21.00	441.00

Number of Tests = N 162	Number of Birth-12 Students: 3406	Average % Improvement: 26.63	-4314.12	162211.69
			"X-Y" or "ED"	"(X-Y)^2" or "ED^2"

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

Correlated Groups T-test

L =Top Value (Σd/N)	-26.63
M =Middle value	47325.23
O =Bottom Value	26082.00
P =Square root of M/O	1.35
T = (L/P)	-19.77
α = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.553

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 4	Fall	2025	7th Grade	Social Studies	87	62.60	76.30	13.70	-13.70	187.69
Classroom 8	Fall	2025	8th Grade	Art	13	28.00	85.00	57.00	-57.00	3249.00
Classroom 9	Fall	2025	6th Grade	Music	29	71.00	90.00	19.00	-19.00	361.00
Classroom 10	Fall	2025	8th Grade	English	80	80.00	80.00	0.00	0.00	0.00
Classroom 14	Fall	2025	8th Grade	Social Studies	24	0.00	72.53	72.53	-72.53	5260.60
Classroom 15	Fall	2025	8th Grade	Social Studies	53	42.00	83.00	41.00	-41.00	1681.00
Classroom 16	Fall	2025	7th Grade	Music	31	24.00	49.00	25.00	-25.00	625.00
Classroom 19	Fall	2025	8th Grade	Social Studies	104	47.22	67.34	20.12	-20.12	404.81
Classroom 21	Fall	2025	8th Grade	Social Studies	46	22.40	74.80	52.40	-52.40	2745.76
Classroom 23	Fall	2025	6th Grade	Social Studies	28	21.40	78.10	56.70	-56.70	3214.89
Classroom 31	Fall	2025	8th Grade	Social Studies	21	8.00	42.00	34.00	-34.00	1156.00
Classroom 55	Fall	2025	8th Grade	Social Studies	78	55.40	87.30	31.90	-31.90	1017.61
Classroom 61	Fall	2025	7th Grade, 8th Grade	Art	12	75.00	95.00	20.00	-20.00	400.00
Classroom 71	Fall	2025	7th Grade, 8th Grade	Health and Physical Education	29	46.40	86.20	39.80	-39.80	1584.04
Classroom 81	Fall	2025	6th Grade	Mathematics	45	50.40	72.14	21.74	-21.74	472.63
Classroom 82	Fall	2025	6th Grade	Health and Physical Education	39	51.80	67.10	15.30	-15.30	234.09
Classroom 88	Fall	2025	8th Grade	Social Studies	52	31.54	86.00	54.46	-54.46	2965.89
Classroom 91	Winter	2025	7th Grade	Music	26	67.40	75.60	8.20	-8.20	67.24
Classroom 92	Winter	2025	6th Grade	Music	57	37.50	56.20	18.70	-18.70	349.69
Classroom 95	Winter	2025	7th Grade, 8th Grade	Art	20	65.00	84.21	19.21	-19.21	369.02
Classroom 96	Winter	2025	7th Grade, 8th Grade	Mathematics	21	25.85	44.90	19.05	-19.05	362.90
Classroom 98	Winter	2025	7th Grade	Music	29	61.40	72.40	11.00	-11.00	121.00
Classroom 108	Winter	2025	6th Grade	Art	18	38.90	55.60	16.70	-16.70	278.89
Classroom 138	Winter	2025	8th Grade	English	111	72.00	76.00	4.00	-4.00	16.00
Classroom 162	Winter	2025	8th Grade	Social Studies	90	17.86	76.06	58.20	-58.20	3387.24
Classroom 163	Winter	2025	7th Grade, 8th Grade	Music	24	52.00	83.00	31.00	-31.00	961.00
Classroom 171	Winter	2025	7th Grade	Social Studies	104	17.00	85.00	68.00	-68.00	4624.00
Classroom 181	Winter	2025	7th Grade	English	64	72.00	73.00	1.00	-1.00	1.00
Classroom 201	Winter	2025	6th Grade	Social Studies	57	30.00	70.00	40.00	-40.00	1600.00
Classroom 208	Winter	2025	8th Grade	Social Studies	37	36.49	83.00	46.51	-46.51	2163.18
Classroom 217	Winter	2025	6th Grade	Health and Physical Education	18	21.00	78.00	57.00	-57.00	3249.00
Classroom 218	Winter	2025	7th Grade	Social Studies	23	69.10	80.00	10.90	-10.90	118.81
Classroom 219	Winter	2025	7th Grade, 9th Grade	Health and Physical Education	15	48.00	71.00	23.00	-23.00	529.00
Classroom 232	Winter	2025	7th Grade	Health and Physical Education	15	88.75	96.10	7.35	-7.35	54.02
Classroom 243	Winter	2025	8th Grade, 9th Grade	Mathematics	39	3.00	59.00	56.00	-56.00	3136.00
Classroom 249	Winter	2025	7th Grade	English	94	68.30	73.90	5.60	-5.60	31.36
Classroom 256	Winter	2025	7th Grade	Social Studies	110	69.50	90.20	20.70	-20.70	428.49
Classroom 257	Winter	2025	7th Grade, 8th Grade	Health and Physical Education	29	55.00	74.13	19.13	-19.13	365.96
Classroom 259	Winter	2025	7th Grade, 8th Grade	Health and Physical Education	23	44.80	81.60	36.80	-36.80	1354.24
Classroom 261	Winter	2025	8th Grade	Social Studies	87	33.30	56.04	22.74	-22.74	517.11
Classroom 263	Winter	2025	8th Grade	Mathematics	63	20.00	57.40	37.40	-37.40	1398.76
Classroom 266	Winter	2025	8th Grade	Social Studies	116	38.00	54.00	16.00	-16.00	256.00
Classroom 277	Winter	2025	8th Grade	Spanish	46	40.40	86.20	45.80	-45.80	2097.64
Classroom 286	Winter	2025	8th Grade, 9th Grade	Music	4	30.00	61.00	31.00	-31.00	961.00

Number of Tests = N 44	Number of Birth-12 Students: 2103	Average % Improvement: 29.67	-1305.64	54358.57
			"X-Y" or "ED"	"(X-Y)^2" or "ED^2"

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

Correlated Groups T-test

L =Top Value ($\sum d/N$)	-29.67
M =Middle value	15615.48
O =Bottom Value	1892.00
P =Square root of M/O	2.87
T = (L/P)	-10.33
$\alpha = 0.05$	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.557

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 1	Fall	2025	9th Grade	Social Studies	41	36.30	79.70	43.40	-43.40	1883.56
Classroom 3	Fall	2025	11th Grade, 12th Grade	Social Studies	52	53.00	70.30	17.30	-17.30	299.29
Classroom 5	Fall	2025	9th Grade	English	42	57.86	70.43	12.57	-12.57	158.00
Classroom 6	Fall	2025	9th Grade, 10th Grade, 11th Grade	Spanish	27	80.54	85.48	4.94	-4.94	24.40
Classroom 7	Fall	2025	9th Grade	English	28	65.00	83.00	18.00	-18.00	324.00
Classroom 11	Fall	2025	12th Grade	English	12	54.10	68.10	14.00	-14.00	196.00
Classroom 20	Fall	2025	10th Grade	Science	71	47.00	81.00	34.00	-34.00	1156.00
Classroom 25	Fall	2025	9th Grade, 11th Grade	Social Studies	23	76.00	80.00	4.00	-4.00	16.00
Classroom 29	Fall	2025	9th Grade, 10th Grade, 11th Grade	Art	26	35.50	58.50	23.00	-23.00	529.00
Classroom 30	Fall	2025	10th Grade, 12th Grade	Mathematics	54	37.90	65.10	27.20	-27.20	739.84
Classroom 32	Fall	2025	11th Grade	Social Studies	27	41.45	77.00	35.55	-35.55	1263.80
Classroom 34	Fall	2025	9th Grade	Social Studies	76	27.43	71.00	43.57	-43.57	1898.34
Classroom 35	Fall	2025	9th Grade, 10th Grade	Social Studies	17	11.00	53.00	42.00	-42.00	1764.00
Classroom 37	Fall	2025	11th Grade, 12th Grade	Social Studies	120	62.00	86.60	24.60	-24.60	605.16
Classroom 38	Fall	2025	9th Grade	Social Studies	78	43.58	79.48	35.90	-35.90	1288.81
Classroom 46	Fall	2025	12th Grade	Social Studies	62	45.00	81.00	36.00	-36.00	1296.00
Classroom 48	Fall	2025	9th Grade	Social Studies	21	24.00	80.00	56.00	-56.00	3136.00
Classroom 50	Fall	2025	9th Grade	English	72	56.50	90.00	33.50	-33.50	1122.25
Classroom 53	Fall	2025	10th Grade	Social Studies	46	60.00	76.60	16.60	-16.60	275.56
Classroom 54	Fall	2025	10th Grade	English	35	24.80	80.02	55.22	-55.22	3049.25
Classroom 59	Fall	2025	11th Grade	Social Studies	81	16.40	72.00	55.60	-55.60	3091.36
Classroom 63	Fall	2025	11th Grade	English	25	75.10	84.00	8.90	-8.90	79.21
Classroom 65	Fall	2025	9th Grade	English	53	14.80	75.20	60.40	-60.40	3648.16
Classroom 66	Fall	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	29	32.82	78.11	45.29	-45.29	2051.18
Classroom 68	Fall	2025	12th Grade	English	12	54.21	63.89	9.68	-9.68	93.70
Classroom 75	Fall	2025	11th Grade, 12th Grade	Science	31	47.50	76.30	28.80	-28.80	829.44
Classroom 79	Fall	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	25	49.62	86.52	36.90	-36.90	1361.61
Classroom 80	Fall	2025	10th Grade	English	72	48.00	82.00	34.00	-34.00	1156.00
Classroom 90	Fall	2025	9th Grade	English	70	76.00	97.00	21.00	-21.00	441.00
Classroom 93	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	32	57.00	73.00	16.00	-16.00	256.00
Classroom 94	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	22	74.00	87.00	13.00	-13.00	169.00
Classroom 97	Winter	2025	11th Grade	English	71	20.00	82.30	62.30	-62.30	3881.29
Classroom 99	Winter	2025	12th Grade	English	42	57.00	83.00	26.00	-26.00	676.00
Classroom 101	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Mathematics	56	55.20	84.40	29.20	-29.20	852.64
Classroom 103	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Spanish	48	47.00	74.40	27.40	-27.40	750.76
Classroom 105	Winter	2025	11th Grade, 12th Grade	Social Studies	12	63.00	81.80	18.80	-18.80	353.44
Classroom 110	Winter	2025	9th Grade	Health and Physical Education	13	58.00	84.00	26.00	-26.00	676.00
Classroom 112	Winter	2025	12th Grade	English	50	64.57	92.01	27.44	-27.44	752.95
Classroom 113	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	27	77.00	86.00	9.00	-9.00	81.00
Classroom 114	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	13	13.30	90.00	76.70	-76.70	5882.89
Classroom 115	Winter	2025	9th Grade	Social Studies	123	16.87	80.50	63.63	-63.63	4048.78
Classroom 120	Winter	2025	9th Grade	Health and Physical Education	14	26.57	93.93	67.36	-67.36	4537.37
Classroom 121	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	25	75.00	94.00	19.00	-19.00	361.00

Classroom 124	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Spanish	20	36.00	48.00	12.00	-12.00	144.00
Classroom 126	Winter	2025	9th Grade	Music	8	35.38	81.25	45.87	-45.87	2104.06
Classroom 130	Winter	2025	9th Grade	Health and Physical Education	44	13.43	77.83	64.40	-64.40	4147.36
Classroom 134	Winter	2025	10th Grade	Social Studies	73	62.50	87.50	25.00	-25.00	625.00
Classroom 136	Winter	2025	10th Grade	Latin	42	39.00	56.40	17.40	-17.40	302.76
Classroom 137	Winter	2025	11th Grade, 12th Grade	Art	14	64.00	90.50	26.50	-26.50	702.25
Classroom 144	Winter	2025	10th Grade	English	18	65.00	80.00	15.00	-15.00	225.00
Classroom 146	Winter	2025	9th Grade	English	56	59.08	79.30	20.22	-20.22	408.85
Classroom 151	Winter	2025	10th Grade	Spanish	52	32.77	80.68	47.91	-47.91	2295.37
Classroom 152	Winter	2025	11th Grade	Social Studies	27	75.00	85.00	10.00	-10.00	100.00
Classroom 153	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	26	100.00	84.67	-15.33	15.33	235.01
Classroom 154	Winter	2025	9th Grade	English	80	68.03	88.57	20.54	-20.54	421.89
Classroom 160	Winter	2025	10th Grade	Science	91	30.00	73.90	43.90	-43.90	1927.21
Classroom 164	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	16	37.50	63.60	26.10	-26.10	681.21
Classroom 165	Winter	2025	10th Grade, 11th Grade, 12th Grade	Science	44	34.00	63.00	29.00	-29.00	841.00
Classroom 170	Winter	2025	9th Grade, 10th Grade	Mathematics	75	8.75	86.34	77.59	-77.59	6020.21
Classroom 174	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	38	67.00	83.00	16.00	-16.00	256.00
Classroom 175	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	33	39.00	87.00	48.00	-48.00	2304.00
Classroom 179	Winter	2025	9th Grade, 10th Grade	Social Studies	60	56.20	87.50	31.30	-31.30	979.69
Classroom 187	Winter	2025	9th Grade	English	29	30.80	95.90	65.10	-65.10	4238.01
Classroom 188	Winter	2025	11th Grade, 12th Grade	Social Studies	83	29.50	80.60	51.10	-51.10	2611.21
Classroom 194	Winter	2025	11th Grade	Social Studies	24	65.20	89.20	24.00	-24.00	576.00
Classroom 209	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	82	76.90	82.00	5.10	-5.10	26.01
Classroom 213	Winter	2025	9th Grade	Science	99	36.60	66.70	30.10	-30.10	906.01
Classroom 215	Winter	2025	9th Grade, 10th Grade, 11th Grade	Mathematics	20	13.00	69.30	56.30	-56.30	3169.69
Classroom 221	Winter	2025	10th Grade	Science	43	48.00	49.00	1.00	-1.00	1.00
Classroom 228	Winter	2025	11th Grade	English	20	76.60	88.40	11.80	-11.80	139.24
Classroom 229	Winter	2025	10th Grade	Social Studies	48	27.00	51.00	24.00	-24.00	576.00
Classroom 239	Winter	2025	11th Grade, 12th Grade	Social Studies	70	64.10	78.20	14.10	-14.10	198.81
Classroom 242	Winter	2025	9th Grade, 10th Grade, 11th Grade	Mathematics	66	21.80	86.00	64.20	-64.20	4121.64
Classroom 244	Winter	2025	11th Grade	Social Studies	15	56.00	82.00	26.00	-26.00	676.00
Classroom 250	Winter	2025	10th Grade, 11th Grade, 12th Grade	Mathematics	22	35.89	68.56	32.67	-32.67	1067.33
Classroom 258	Winter	2025	10th Grade, 11th Grade, 12th Grade	Art	21	50.00	75.00	25.00	-25.00	625.00
Classroom 262	Winter	2025	9th Grade	Social Studies	31	71.00	80.00	9.00	-9.00	81.00
Classroom 265	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	50	80.00	90.00	10.00	-10.00	100.00
Classroom 273	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Social Studies	94	3.77	81.00	77.23	-77.23	5964.47
Classroom 290	Winter	2025	9th Grade	Social Studies	82	44.86	89.00	44.14	-44.14	1948.34
Classroom 291	Winter	2025	10th Grade, 11th Grade	Science	78	32.73	88.82	56.09	-56.09	3146.09

Number of Tests = N	Number of Birth-12 Students:	Average % Improvement:	-2548.08	111948.77
81	3655	31.46	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"

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

Correlated Groups T-test

L =Top Value (Σd/N)	-31.46
M =Middle value	31791.84
O =Bottom Value	6480.00
P =Square root of M/O	2.21
T = (L/P)	-14.20
α = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.578

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 8	Fall	2025	8th Grade	Art	13	28.00	85.00	57.00	-57.00	3249.00
Classroom 9	Fall	2025	6th Grade	Music	29	71.00	90.00	19.00	-19.00	361.00
Classroom 16	Fall	2025	7th Grade	Music	31	24.00	49.00	25.00	-25.00	625.00
Classroom 17	Fall	2025	2nd Grade	Art	47	76.00	93.50	17.50	-17.50	306.25
Classroom 29	Fall	2025	9th Grade, 10th Grade, 11th Grade	Art	26	35.50	58.50	23.00	-23.00	529.00
Classroom 61	Fall	2025	7th Grade, 8th Grade	Art	12	75.00	95.00	20.00	-20.00	400.00
Classroom 66	Fall	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	29	32.82	78.11	45.29	-45.29	2051.18
Classroom 91	Winter	2025	7th Grade	Music	26	67.40	75.60	8.20	-8.20	67.24
Classroom 92	Winter	2025	6th Grade	Music	57	37.50	56.20	18.70	-18.70	349.69
Classroom 93	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	32	57.00	73.00	16.00	-16.00	256.00
Classroom 94	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	22	74.00	87.00	13.00	-13.00	169.00
Classroom 95	Winter	2025	7th Grade, 8th Grade	Art	20	65.00	84.21	19.21	-19.21	369.02
Classroom 98	Winter	2025	7th Grade	Music	29	61.40	72.40	11.00	-11.00	121.00
Classroom 106	Winter	2025	4th Grade	Music	103	56.25	82.30	26.05	-26.05	678.60
Classroom 108	Winter	2025	6th Grade	Art	18	38.90	55.60	16.70	-16.70	278.89
Classroom 113	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	27	77.00	86.00	9.00	-9.00	81.00
Classroom 114	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	13	13.30	90.00	76.70	-76.70	5882.89
Classroom 121	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	25	75.00	94.00	19.00	-19.00	361.00
Classroom 126	Winter	2025	9th Grade	Music	8	35.38	81.25	45.87	-45.87	2104.06
Classroom 133	Winter	2025	3rd Grade	Art	23	56.30	92.60	36.30	-36.30	1317.69
Classroom 137	Winter	2025	11th Grade, 12th Grade	Art	14	64.00	90.50	26.50	-26.50	702.25
Classroom 163	Winter	2025	7th Grade, 8th Grade	Music	24	52.00	83.00	31.00	-31.00	961.00
Classroom 164	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	16	37.50	63.60	26.10	-26.10	681.21
Classroom 175	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Art	33	39.00	87.00	48.00	-48.00	2304.00
Classroom 200	Winter	2025	5th Grade	Art	22	78.00	92.00	14.00	-14.00	196.00
Classroom 209	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	82	76.90	82.00	5.10	-5.10	26.01
Classroom 258	Winter	2025	10th Grade, 11th Grade, 12th Grade	Art	21	50.00	75.00	25.00	-25.00	625.00
Classroom 265	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Music	50	80.00	90.00	10.00	-10.00	100.00
Classroom 286	Winter	2025	8th Grade, 9th Grade	Music	4	30.00	61.00	31.00	-31.00	961.00

Number of Tests = N 29	Number of Birth-12 Students: 853	Average % Improvement: 25.49	-739.22	26113.99
			"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
			L =Top Value ($\sum d/N$)	-25.49
			M =Middle value	7271.01
			O =Bottom Value	812.00
			P =Square root of M/O	2.99
			T = (L/P)	-8.52
			$\alpha = 0.05$	Critical T = 1.645
				Significant
			T/Square Root of N = Effect	-1.582

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

Correlated Groups T-test

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 5	Fall	2025	9th Grade	English	42	57.86	70.43	12.57	-12.57	158.00
Classroom 7	Fall	2025	9th Grade	English	28	65.00	83.00	18.00	-18.00	324.00
Classroom 10	Fall	2025	8th Grade	English	80	80.00	80.00	0.00	0.00	0.00
Classroom 11	Fall	2025	12th Grade	English	12	54.10	68.10	14.00	-14.00	196.00
Classroom 50	Fall	2025	9th Grade	English	72	56.50	90.00	33.50	-33.50	1122.25
Classroom 52	Fall	2025	1st Grade	English	20	70.00	79.00	9.00	-9.00	81.00
Classroom 54	Fall	2025	10th Grade	English	35	24.80	80.02	55.22	-55.22	3049.25
Classroom 63	Fall	2025	11th Grade	English	25	75.10	84.00	8.90	-8.90	79.21
Classroom 65	Fall	2025	9th Grade	English	53	14.80	75.20	60.40	-60.40	3648.16
Classroom 68	Fall	2025	12th Grade	English	12	54.21	63.89	9.68	-9.68	93.70
Classroom 80	Fall	2025	10th Grade	English	72	48.00	82.00	34.00	-34.00	1156.00
Classroom 83	Fall	2025	Kindergarten	English	19	12.75	7.00	-5.75	5.75	33.06
Classroom 90	Fall	2025	9th Grade	English	70	76.00	97.00	21.00	-21.00	441.00
Classroom 97	Winter	2025	11th Grade	English	71	20.00	82.30	62.30	-62.30	3881.29
Classroom 99	Winter	2025	12th Grade	English	42	57.00	83.00	26.00	-26.00	676.00
Classroom 102	Winter	2025	Kindergarten	English	18	72.22	97.22	25.00	-25.00	625.00
Classroom 104	Winter	2025	Kindergarten	English	17	92.16	95.02	2.87	-2.87	8.22
Classroom 112	Winter	2025	12th Grade	English	50	64.57	92.01	27.44	-27.44	752.95
Classroom 122	Winter	2025	Kindergarten	English	19	72.20	93.40	21.20	-21.20	449.44
Classroom 135	Winter	2025	2nd Grade	English	19	57.00	48.00	-9.00	9.00	81.00
Classroom 138	Winter	2025	8th Grade	English	111	72.00	76.00	4.00	-4.00	16.00
Classroom 140	Winter	2025	2nd Grade	English	18	29.86	59.02	29.16	-29.16	850.31
Classroom 142	Winter	2025	Birth to Preschool	English	16	51.00	54.00	3.00	-3.00	9.00
Classroom 144	Winter	2025	10th Grade	English	18	65.00	80.00	15.00	-15.00	225.00
Classroom 146	Winter	2025	9th Grade	English	56	59.08	79.30	20.22	-20.22	408.85
Classroom 149	Winter	2025	Kindergarten	English	18	73.00	93.00	20.00	-20.00	400.00
Classroom 154	Winter	2025	9th Grade	English	80	68.03	88.57	20.54	-20.54	421.89
Classroom 155	Winter	2025	3rd Grade	English	21	73.00	86.00	13.00	-13.00	169.00
Classroom 158	Winter	2025	Birth to Preschool	English	15	34.00	34.00	0.00	0.00	0.00
Classroom 161	Winter	2025	Kindergarten	English	22	25.00	75.00	50.00	-50.00	2500.00
Classroom 172	Winter	2025	Kindergarten	English	24	78.10	77.10	-1.00	1.00	1.00
Classroom 181	Winter	2025	7th Grade	English	64	72.00	73.00	1.00	-1.00	1.00
Classroom 186	Winter	2025	1st Grade	English	21	42.00	88.00	46.00	-46.00	2116.00
Classroom 187	Winter	2025	9th Grade	English	29	30.80	95.90	65.10	-65.10	4238.01
Classroom 196	Winter	2025	3rd Grade	English	16	59.90	77.40	17.50	-17.50	306.25
Classroom 202	Winter	2025	Kindergarten	English	14	66.60	86.10	19.50	-19.50	380.25
Classroom 222	Winter	2025	5th Grade	English	11	46.80	69.40	22.60	-22.60	510.76
Classroom 224	Winter	2025	Kindergarten	English	25	56.95	88.60	31.65	-31.65	1001.72
Classroom 228	Winter	2025	11th Grade	English	20	76.60	88.40	11.80	-11.80	139.24
Classroom 240	Winter	2025	Kindergarten	English	17	43.00	76.80	33.80	-33.80	1142.44
Classroom 249	Winter	2025	7th Grade	English	94	68.30	73.90	5.60	-5.60	31.36
Classroom 287	Winter	2025	5th Grade	English	24	76.00	80.00	4.00	-4.00	16.00
Classroom 289	Winter	2025	4th Grade	English	15	58.00	79.00	21.00	-21.00	441.00

Number of Tests = N 43	Number of Birth-12 Students: 1515	Average % Improvement: 20.46	-879.80	32180.62
			"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
			L =Top Value ($\sum d/N$)	-20.46
			M =Middle value	14179.63
			O =Bottom Value	1806.00
			P =Square root of M/O	2.80
			T = (L/P)	-7.30
			$\alpha = 0.05$	Critical T = 1.645
				Significant
			T/Square Root of N = Effect	-1.114

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

Correlated Groups T-test

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 2	Fall	2025	4th Grade	Mathematics	25	68.00	79.00	11.00	-11.00	121.00
Classroom 12	Fall	2025	5th Grade	Mathematics	19	0.00	46.00	46.00	-46.00	2116.00
Classroom 13	Fall	2025	2nd Grade	Mathematics	12	80.00	93.33	13.33	-13.33	177.69
Classroom 22	Fall	2025	5th Grade	Mathematics	17	15.60	36.40	20.80	-20.80	432.64
Classroom 26	Fall	2025	4th Grade	Mathematics	20	50.00	75.00	25.00	-25.00	625.00
Classroom 27	Fall	2025	Kindergarten	Mathematics	18	61.30	73.50	12.20	-12.20	148.84
Classroom 28	Fall	2025	2nd Grade	Mathematics	21	70.00	87.00	17.00	-17.00	289.00
Classroom 30	Fall	2025	10th Grade, 12th Grade	Mathematics	54	37.90	65.10	27.20	-27.20	739.84
Classroom 33	Fall	2025	3rd Grade	Mathematics	18	91.00	94.00	3.00	-3.00	9.00
Classroom 36	Fall	2025	4th Grade	Mathematics	20	21.00	55.00	34.00	-34.00	1156.00
Classroom 39	Fall	2025	2nd Grade	Mathematics	22	89.00	95.00	6.00	-6.00	36.00
Classroom 40	Fall	2025	2nd Grade	Mathematics	20	46.05	50.60	4.55	-4.55	20.70
Classroom 41	Fall	2025	5th Grade	Mathematics	24	46.80	71.00	24.20	-24.20	585.64
Classroom 43	Fall	2025	3rd Grade	Mathematics	24	58.10	79.50	21.40	-21.40	457.96
Classroom 44	Fall	2025	3rd Grade	Mathematics	24	66.00	92.25	26.25	-26.25	689.06
Classroom 45	Fall	2025	3rd Grade	Mathematics	21	83.30	88.20	4.90	-4.90	24.01
Classroom 49	Fall	2025	Kindergarten	Mathematics	19	63.10	76.00	12.90	-12.90	166.41
Classroom 51	Fall	2025	4th Grade	Mathematics	21	15.00	89.50	74.50	-74.50	5550.25
Classroom 56	Fall	2025	3rd Grade	Mathematics	22	52.40	74.10	21.70	-21.70	470.89
Classroom 57	Fall	2025	Kindergarten	Mathematics	26	72.00	91.00	19.00	-19.00	361.00
Classroom 58	Fall	2025	1st Grade	Mathematics	18	59.60	80.70	21.10	-21.10	445.21
Classroom 60	Fall	2025	3rd Grade	Mathematics	20	29.10	57.80	28.70	-28.70	823.69
Classroom 62	Fall	2025	2nd Grade	Mathematics	26	66.96	89.00	22.04	-22.04	485.76
Classroom 64	Fall	2025	Kindergarten, 1st Grade, 2nd Grade, 3rd Grade, 4th Grade, 5th Grade	Mathematics	27	82.40	92.50	10.10	-10.10	102.01
Classroom 69	Fall	2025	2nd Grade	Mathematics	17	57.00	73.80	16.80	-16.80	282.24
Classroom 70	Fall	2025	5th Grade	Mathematics	25	26.00	34.00	8.00	-8.00	64.00
Classroom 73	Fall	2025	3rd Grade	Mathematics	26	72.22	77.08	4.86	-4.86	23.62
Classroom 74	Fall	2025	5th Grade	Mathematics	26	20.00	78.00	58.00	-58.00	3364.00
Classroom 76	Fall	2025	3rd Grade	Mathematics	26	72.22	77.08	4.86	-4.86	23.62
Classroom 77	Fall	2025	3rd Grade	Mathematics	23	7.95	69.50	61.55	-61.55	3788.40
Classroom 78	Fall	2025	Kindergarten	Mathematics	16	90.94	100.00	9.06	-9.06	82.08
Classroom 81	Fall	2025	6th Grade	Mathematics	45	50.40	72.14	21.74	-21.74	472.63
Classroom 84	Fall	2025	Kindergarten	Mathematics	16	68.00	98.50	30.50	-30.50	930.25
Classroom 85	Fall	2025	5th Grade	Mathematics	25	17.36	54.33	36.97	-36.97	1366.78
Classroom 86	Fall	2025	1st Grade	Mathematics	18	60.00	75.00	15.00	-15.00	225.00
Classroom 87	Fall	2025	2nd Grade	Mathematics	19	18.75	44.44	25.69	-25.69	659.98
Classroom 89	Fall	2025	1st Grade	Mathematics	17	14.44	15.35	0.91	-0.91	0.83
Classroom 96	Winter	2025	7th Grade, 8th Grade	Mathematics	21	25.85	44.90	19.05	-19.05	362.90
Classroom 100	Winter	2025	3rd Grade	Mathematics	20	53.00	66.00	13.00	-13.00	169.00
Classroom 101	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Mathematics	56	55.20	84.40	29.20	-29.20	852.64
Classroom 107	Winter	2025	5th Grade	Mathematics	22	11.00	73.00	62.00	-62.00	3844.00
Classroom 109	Winter	2025	3rd Grade	Mathematics	19	66.00	81.00	15.00	-15.00	225.00
Classroom 111	Winter	2025	5th Grade	Mathematics	23	44.70	92.60	47.90	-47.90	2294.41
Classroom 116	Winter	2025	Kindergarten	Mathematics	22	68.94	79.55	10.61	-10.61	112.57
Classroom 117	Winter	2025	1st Grade	Mathematics	14	22.00	91.00	69.00	-69.00	4761.00
Classroom 119	Winter	2025	3rd Grade	Mathematics	19	7.00	64.00	57.00	-57.00	3249.00
Classroom 123	Winter	2025	2nd Grade	Mathematics	22	61.00	67.00	6.00	-6.00	36.00
Classroom 125	Winter	2025	4th Grade	Mathematics	20	47.72	68.67	20.95	-20.95	438.90
Classroom 127	Winter	2025	1st Grade	Mathematics	24	65.00	97.00	32.00	-32.00	1024.00
Classroom 128	Winter	2025	1st Grade	Mathematics	21	73.00	89.00	16.00	-16.00	256.00

Classroom 129	Winter	2025	1st Grade	Mathematics	22	53.00	91.00	38.00	-38.00	1444.00
Classroom 131	Winter	2025	3rd Grade	Mathematics	26	44.00	93.80	49.80	-49.80	2480.04
Classroom 141	Winter	2025	3rd Grade	Mathematics	16	46.80	68.00	21.20	-21.20	449.44
Classroom 145	Winter	2025	4th Grade	Mathematics	18	47.22	82.35	35.13	-35.13	1234.12
Classroom 150	Winter	2025	2nd Grade	Mathematics	20	23.00	55.07	32.07	-32.07	1028.48
Classroom 156	Winter	2025	2nd Grade	Mathematics	24	60.00	77.00	17.00	-17.00	289.00
Classroom 157	Winter	2025	5th Grade	Mathematics	17	13.00	37.00	24.00	-24.00	576.00
Classroom 166	Winter	2025	1st Grade	Mathematics	22	81.00	93.00	12.00	-12.00	144.00
Classroom 167	Winter	2025	5th Grade	Mathematics	22	27.60	57.30	29.70	-29.70	882.09
Classroom 168	Winter	2025	Kindergarten, 1st Grade	Mathematics	18	43.75	93.00	49.25	-49.25	2425.56
Classroom 169	Winter	2025	3rd Grade	Mathematics	20	57.00	80.00	23.00	-23.00	529.00
Classroom 170	Winter	2025	9th Grade, 10th Grade	Mathematics	75	8.75	86.34	77.59	-77.59	6020.21
Classroom 173	Winter	2025	3rd Grade	Mathematics	19	27.00	68.00	41.00	-41.00	1681.00
Classroom 176	Winter	2025	1st Grade	Mathematics	14	17.00	67.00	50.00	-50.00	2500.00
Classroom 177	Winter	2025	5th Grade	Mathematics	23	27.00	77.00	50.00	-50.00	2500.00
Classroom 178	Winter	2025	3rd Grade	Mathematics	19	40.00	84.00	44.00	-44.00	1936.00
Classroom 180	Winter	2025	1st Grade	Mathematics	16	41.00	97.00	56.00	-56.00	3136.00
Classroom 183	Winter	2025	5th Grade	Mathematics	24	61.48	82.00	20.52	-20.52	421.07
Classroom 189	Winter	2025	2nd Grade	Mathematics	13	41.00	88.00	47.00	-47.00	2209.00
Classroom 195	Winter	2025	1st Grade	Mathematics	11	51.50	82.40	30.90	-30.90	954.81
Classroom 197	Winter	2025	1st Grade	Mathematics	23	80.00	90.40	10.40	-10.40	108.16
Classroom 198	Winter	2025	Kindergarten	Mathematics	17	45.00	84.00	39.00	-39.00	1521.00
Classroom 199	Winter	2025	4th Grade	Mathematics	13	25.00	42.00	17.00	-17.00	289.00
Classroom 203	Winter	2025	3rd Grade	Mathematics	19	36.80	68.00	31.20	-31.20	973.44
Classroom 204	Winter	2025	Birth to Preschool	Mathematics	16	25.00	87.50	62.50	-62.50	3906.25
Classroom 206	Winter	2025	3rd Grade	Mathematics	18	39.00	69.00	30.00	-30.00	900.00
Classroom 210	Winter	2025	2nd Grade	Mathematics	17	58.00	81.00	23.00	-23.00	529.00
Classroom 211	Winter	2025	5th Grade	Mathematics	22	72.60	75.80	3.20	-3.20	10.24
Classroom 212	Winter	2025	2nd Grade	Mathematics	22	51.50	74.30	22.80	-22.80	519.84
Classroom 214	Winter	2025	3rd Grade	Mathematics	19	58.00	75.00	17.00	-17.00	289.00
Classroom 215	Winter	2025	9th Grade, 10th Grade, 11th Grade	Mathematics	20	13.00	69.30	56.30	-56.30	3169.69
Classroom 216	Winter	2025	1st Grade	Mathematics	20	40.00	81.90	41.90	-41.90	1755.61
Classroom 220	Winter	2025	4th Grade	Mathematics	18	41.10	70.00	28.90	-28.90	835.21
Classroom 223	Winter	2025	1st Grade	Mathematics	25	64.00	85.00	21.00	-21.00	441.00
Classroom 225	Winter	2025	2nd Grade	Mathematics	17	48.89	95.00	46.11	-46.11	2126.13
Classroom 226	Winter	2025	Kindergarten	Mathematics	11	54.50	63.60	9.10	-9.10	82.81
Classroom 227	Winter	2025	3rd Grade	Mathematics	17	30.00	67.70	37.70	-37.70	1421.29
Classroom 230	Winter	2025	4th Grade	Mathematics	17	39.00	68.75	29.75	-29.75	885.06
Classroom 231	Winter	2025	4th Grade	Mathematics	21	25.00	62.50	37.50	-37.50	1406.25
Classroom 233	Winter	2025	1st Grade	Mathematics	17	54.40	73.60	19.20	-19.20	368.64
Classroom 234	Winter	2025	1st Grade	Mathematics	18	64.00	89.00	25.00	-25.00	625.00
Classroom 235	Winter	2025	2nd Grade	Mathematics	22	50.00	86.00	36.00	-36.00	1296.00
Classroom 236	Winter	2025	4th Grade	Mathematics	19	11.00	76.00	65.00	-65.00	4225.00
Classroom 237	Winter	2025	4th Grade	Mathematics	65	41.25	69.23	27.98	-27.98	782.88
Classroom 238	Winter	2025	1st Grade	Mathematics	22	61.04	86.36	25.32	-25.32	641.10
Classroom 241	Winter	2025	3rd Grade	Mathematics	22	62.70	64.50	1.80	-1.80	3.24
Classroom 242	Winter	2025	9th Grade, 10th Grade, 11th Grade	Mathematics	66	21.80	86.00	64.20	-64.20	4121.64
Classroom 243	Winter	2025	8th Grade, 9th Grade, 10th Grade, 11th Grade	Mathematics	39	3.00	59.00	56.00	-56.00	3136.00
Classroom 246	Winter	2025	2nd Grade	Mathematics	17	26.25	44.40	18.15	-18.15	329.42
Classroom 247	Winter	2025	3rd Grade	Mathematics	19	53.00	81.00	28.00	-28.00	784.00
Classroom 250	Winter	2025	10th Grade, 11th Grade, 12th Grade	Mathematics	22	35.89	68.56	32.67	-32.67	1067.33
Classroom 251	Winter	2025	3rd Grade	Mathematics	22	44.93	73.92	28.99	-28.99	840.42
Classroom 252	Winter	2025	4th Grade	Mathematics	14	37.00	62.25	25.25	-25.25	637.56

Classroom 253	Winter	2025	3rd Grade	Mathematics	26	55.29	81.25	25.96	-25.96	673.92
Classroom 254	Winter	2025	3rd Grade	Mathematics	20	55.19	65.07	9.88	-9.88	97.61
Classroom 255	Winter	2025	Birth to Preschool	Mathematics	18	21.00	62.00	41.00	-41.00	1681.00
Classroom 263	Winter	2025	8th Grade	Mathematics	63	20.00	57.40	37.40	-37.40	1398.76
Classroom 264	Winter	2025	3rd Grade	Mathematics	25	18.50	48.70	30.20	-30.20	912.04
Classroom 267	Winter	2025	1st Grade	Mathematics	18	35.00	73.00	38.00	-38.00	1444.00
Classroom 269	Winter	2025	3rd Grade	Mathematics	24	67.00	91.25	24.25	-24.25	588.06
Classroom 270	Winter	2025	2nd Grade	Mathematics	19	73.00	90.00	17.00	-17.00	289.00
Classroom 272	Winter	2025	5th Grade	Mathematics	14	26.00	68.00	42.00	-42.00	1764.00
Classroom 274	Winter	2025	4th Grade	Mathematics	13	30.70	95.84	65.14	-65.14	4243.22
Classroom 276	Winter	2025	1st Grade	Mathematics	15	77.60	74.40	-3.20	3.20	10.24
Classroom 278	Winter	2025	5th Grade	Mathematics	22	55.00	66.00	11.00	-11.00	121.00
Classroom 279	Winter	2025	1st Grade	Mathematics	18	51.00	83.00	32.00	-32.00	1024.00
Classroom 280	Winter	2025	5th Grade	Mathematics	27	46.00	91.00	45.00	-45.00	2025.00
Classroom 281	Winter	2025	Kindergarten	Mathematics	25	18.00	72.00	54.00	-54.00	2916.00
Classroom 282	Winter	2025	5th Grade	Mathematics	15	13.30	60.70	47.40	-47.40	2246.76
Classroom 283	Winter	2025	2nd Grade	Mathematics	24	80.00	85.00	5.00	-5.00	25.00
Classroom 284	Winter	2025	3rd Grade	Mathematics	26	66.85	87.69	20.84	-20.84	434.31
Classroom 285	Winter	2025	2nd Grade	Mathematics	16	35.00	85.00	50.00	-50.00	2500.00
Classroom 288	Winter	2025	5th Grade	Mathematics	17	13.00	93.00	80.00	-80.00	6400.00

Number of Tests = N	Number of Birth-12 Students:	Average % Improvement:	-3637.47	148603.43
123	2732	29.57	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"

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

Correlated Groups T-test

L =Top Value (Σd/N)	-29.57
M =Middle value	41032.79
O =Bottom Value	15006.00
P =Square root of M/O	1.65
T = (L/P)	-17.88
α = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.613

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 6	Fall	2025	9th Grade, 10th Grade, 11th Grade	Spanish	27	80.54	85.48	4.94	-4.94	24.40
Classroom 103	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Spanish	48	47.00	74.40	27.40	-27.40	750.76
Classroom 124	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Spanish	20	36.00	48.00	12.00	-12.00	144.00
Classroom 136	Winter	2025	10th Grade	Latin	42	39.00	56.40	17.40	-17.40	302.76
Classroom 151	Winter	2025	10th Grade	Spanish	52	32.77	80.68	47.91	-47.91	2295.37
Classroom 277	Winter	2025	8th Grade	Spanish	46	40.40	86.20	45.80	-45.80	2097.64

Number of Tests = N 6	Number of Birth-12 Students: 234	Average % Improvement: 25.91	-155.45	5614.93
			"X-Y" or "ED"	"(X-Y)^2" or "ED^2"

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

Correlated Groups T-test

L =Top Value (Σd/N)	-25.91
M =Middle value	1587.48
O =Bottom Value	30.00
P =Square root of M/O	7.27
T = (L/P)	-3.56
α = 0.05	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.454

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 71	Fall	2025	7th Grade, 8th Grade	Health and Physical Education	29	46.40	86.20	39.80	-39.80	1584.04
Classroom 79	Fall	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	25	49.62	86.52	36.90	-36.90	1361.61
Classroom 82	Fall	2025	6th Grade	Health and Physical Education	39	51.80	67.10	15.30	-15.30	234.09
Classroom 110	Winter	2025	9th Grade	Health and Physical Education	13	58.00	84.00	26.00	-26.00	676.00
Classroom 120	Winter	2025	9th Grade	Health and Physical Education	14	26.57	93.93	67.36	-67.36	4537.37
Classroom 130	Winter	2025	9th Grade	Health and Physical Education	44	13.43	77.83	64.40	-64.40	4147.36
Classroom 132	Winter	2025	5th Grade	Health and Physical Education	49	37.00	76.00	39.00	-39.00	1521.00
Classroom 153	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	26	100.00	84.67	-15.33	15.33	235.01
Classroom 159	Winter	2025	Kindergarten, 1st Grade, 2nd Grade, 3rd Grade, 4th Grade, 5th Grade, 6th Grade, 7th Grade, 8th Grade	Health and Physical Education	3	73.30	80.00	6.70	-6.70	44.89
Classroom 174	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Health and Physical Education	38	67.00	83.00	16.00	-16.00	256.00
Classroom 182	Winter	2025	5th Grade	Health and Physical Education	15	69.00	78.00	9.00	-9.00	81.00
Classroom 191	Winter	2025	Kindergarten, 1st Grade, 2nd Grade	Health and Physical Education	45	78.40	100.00	21.60	-21.60	466.56
Classroom 205	Winter	2025	Kindergarten	Health and Physical Education	12	50.00	75.00	25.00	-25.00	625.00
Classroom 217	Winter	2025	6th Grade	Health and Physical Education	18	21.00	78.00	57.00	-57.00	3249.00
Classroom 219	Winter	2025	7th Grade, 9th Grade, 10th Grade, 11th Grade	Health and Physical Education	15	48.00	71.00	23.00	-23.00	529.00
Classroom 232	Winter	2025	7th Grade	Health and Physical Education	15	88.75	96.10	7.35	-7.35	54.02
Classroom 257	Winter	2025	7th Grade, 8th Grade	Health and Physical Education	29	55.00	74.13	19.13	-19.13	365.96
Classroom 259	Winter	2025	7th Grade, 8th Grade	Health and Physical Education	23	44.80	81.60	36.80	-36.80	1354.24

Number of Tests = N	Number of Birth-12 Students:	Average % Improvement:	-495.01	21322.15
18	450	27.50	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
			L =Top Value (Σd/N)	-27.50
			M =Middle value	7709.10
			O =Bottom Value	306.00
			P =Square root of M/O	5.02
			T = (L/P)	-5.48
			α = 0.05	Critical T = 1.645
				Significant
			T/Square Root of N = Effect	-1.291

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

Correlated Groups T-test

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 20	Fall	2025	10th Grade	Science	71	47.00	81.00	34.00	-34.00	1156.00
Classroom 24	Fall	2025	4th Grade	Science	79	60.50	81.00	20.50	-20.50	420.25
Classroom 75	Fall	2025	11th Grade, 12th Grade	Science	31	47.50	76.30	28.80	-28.80	829.44
Classroom 118	Winter	2025	1st Grade	Science	16	41.40	77.10	35.70	-35.70	1274.49
Classroom 147	Winter	2025	5th Grade	Science	23	54.00	86.00	32.00	-32.00	1024.00
Classroom 160	Winter	2025	10th Grade	Science	91	30.00	73.90	43.90	-43.90	1927.21
Classroom 165	Winter	2025	10th Grade, 11th Grade, 12th Grade	Science	44	34.00	63.00	29.00	-29.00	841.00
Classroom 184	Winter	2025	5th Grade	Science	21	42.00	68.00	26.00	-26.00	676.00
Classroom 185	Winter	2025	Kindergarten	Science	18	58.00	79.00	21.00	-21.00	441.00
Classroom 190	Winter	2025	Kindergarten	Science	23	30.00	80.00	50.00	-50.00	2500.00
Classroom 192	Winter	2025	3rd Grade	Science	15	41.07	88.24	47.17	-47.17	2225.01
Classroom 213	Winter	2025	9th Grade	Science	99	36.60	66.70	30.10	-30.10	906.01
Classroom 221	Winter	2025	10th Grade	Science	43	48.00	49.00	1.00	-1.00	1.00
Classroom 268	Winter	2025	2nd Grade	Science	18	62.20	88.40	26.20	-26.20	686.44
Classroom 271	Winter	2025	2nd Grade	Science	23	79.00	99.00	20.00	-20.00	400.00
Classroom 291	Winter	2025	10th Grade, 11th Grade	Science	78	32.73	88.82	56.09	-56.09	3146.09

Number of Tests = N 16	Number of Birth-12 Students: 690	Average % Improvement: 31.34	-501.46	18453.94
			"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
			L =Top Value ($\sum d/N$)	-31.34
			M =Middle value	2737.55
			O =Bottom Value	240.00
			P =Square root of M/O	3.38
			T = (L/P)	-9.28
			$\alpha = 0.05$	Critical T = 1.645
				Significant
			T/Square Root of N = Effect	-2.320

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

Correlated Groups T-test

Classroom Sample	Semester	Year	Grade-Level(s) Assessed (any/all that apply)	Content Area Assessed	Number of P-12 Students	Pre-SCORE (X)	Post-SCORE (Y)	"Y-X" Change	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"
Classroom 1	Fall	2025	9th Grade	Social Studies	41	36.30	79.70	43.40	-43.40	1883.56
Classroom 3	Fall	2025	11th Grade, 12th Grade	Social Studies	52	53.00	70.30	17.30	-17.30	299.29
Classroom 4	Fall	2025	7th Grade	Social Studies	87	62.60	76.30	13.70	-13.70	187.69
Classroom 14	Fall	2025	8th Grade	Social Studies	24	0.00	72.53	72.53	-72.53	5260.60
Classroom 15	Fall	2025	8th Grade	Social Studies	53	42.00	83.00	41.00	-41.00	1681.00
Classroom 18	Fall	2025	3rd Grade	Social Studies	21	49.60	75.00	25.40	-25.40	645.16
Classroom 19	Fall	2025	8th Grade	Social Studies	104	47.22	67.34	20.12	-20.12	404.81
Classroom 21	Fall	2025	8th Grade	Social Studies	46	22.40	74.80	52.40	-52.40	2745.76
Classroom 23	Fall	2025	6th Grade	Social Studies	28	21.40	78.10	56.70	-56.70	3214.89
Classroom 25	Fall	2025	9th Grade, 11th Grade	Social Studies	23	76.00	80.00	4.00	-4.00	16.00
Classroom 31	Fall	2025	8th Grade	Social Studies	21	8.00	42.00	34.00	-34.00	1156.00
Classroom 32	Fall	2025	11th Grade	Social Studies	27	41.45	77.00	35.55	-35.55	1263.80
Classroom 34	Fall	2025	9th Grade	Social Studies	76	27.43	71.00	43.57	-43.57	1898.34
Classroom 35	Fall	2025	9th Grade, 10th Grade	Social Studies	17	11.00	53.00	42.00	-42.00	1764.00
Classroom 37	Fall	2025	11th Grade, 12th Grade	Social Studies	120	62.00	86.60	24.60	-24.60	605.16
Classroom 38	Fall	2025	9th Grade	Social Studies	78	43.58	79.48	35.90	-35.90	1288.81
Classroom 42	Fall	2025	4th Grade	Social Studies	17	49.00	75.00	26.00	-26.00	676.00
Classroom 46	Fall	2025	12th Grade	Social Studies	62	45.00	81.00	36.00	-36.00	1296.00
Classroom 47	Fall	2025	Kindergarten	Social Studies	13	62.80	93.60	30.80	-30.80	948.64
Classroom 48	Fall	2025	9th Grade	Social Studies	21	24.00	80.00	56.00	-56.00	3136.00
Classroom 53	Fall	2025	10th Grade	Social Studies	46	60.00	76.60	16.60	-16.60	275.56
Classroom 55	Fall	2025	8th Grade	Social Studies	78	55.40	87.30	31.90	-31.90	1017.61
Classroom 59	Fall	2025	11th Grade	Social Studies	81	16.40	72.00	55.60	-55.60	3091.36
Classroom 67	Fall	2025	4th Grade	Social Studies	24	74.00	90.00	16.00	-16.00	256.00
Classroom 72	Fall	2025	2nd Grade	Social Studies	18	33.50	83.00	49.50	-49.50	2450.25
Classroom 88	Fall	2025	8th Grade	Social Studies	52	31.54	86.00	54.46	-54.46	2965.89
Classroom 105	Winter	2025	11th Grade, 12th Grade	Social Studies	12	63.00	81.80	18.80	-18.80	353.44
Classroom 115	Winter	2025	9th Grade	Social Studies	123	16.87	80.50	63.63	-63.63	4048.78
Classroom 134	Winter	2025	10th Grade	Social Studies	73	62.50	87.50	25.00	-25.00	625.00
Classroom 139	Winter	2025	5th Grade	Social Studies	21	0.00	71.60	71.60	-71.60	5126.56
Classroom 143	Winter	2025	5th Grade	Social Studies	22	32.50	52.75	20.25	-20.25	410.06
Classroom 148	Winter	2025	5th Grade	Social Studies	25	3.85	6.40	2.55	-2.55	6.50
Classroom 152	Winter	2025	11th Grade	Social Studies	27	75.00	85.00	10.00	-10.00	100.00
Classroom 162	Winter	2025	8th Grade	Social Studies	90	17.86	76.06	58.20	-58.20	3387.24
Classroom 171	Winter	2025	7th Grade	Social Studies	104	17.00	85.00	68.00	-68.00	4624.00
Classroom 179	Winter	2025	9th Grade, 10th Grade	Social Studies	60	56.20	87.50	31.30	-31.30	979.69
Classroom 188	Winter	2025	11th Grade, 12th Grade	Social Studies	83	29.50	80.60	51.10	-51.10	2611.21
Classroom 193	Winter	2025	1st Grade	Social Studies	21	54.00	86.70	32.70	-32.70	1069.29
Classroom 194	Winter	2025	11th Grade	Social Studies	24	65.20	89.20	24.00	-24.00	576.00
Classroom 201	Winter	2025	6th Grade	Social Studies	57	30.00	70.00	40.00	-40.00	1600.00
Classroom 207	Winter	2025	4th Grade	Social Studies	19	4.30	7.01	2.71	-2.71	7.34
Classroom 208	Winter	2025	8th Grade	Social Studies	37	36.49	83.00	46.51	-46.51	2163.18
Classroom 218	Winter	2025	7th Grade	Social Studies	23	69.10	80.00	10.90	-10.90	118.81
Classroom 229	Winter	2025	10th Grade	Social Studies	48	27.00	51.00	24.00	-24.00	576.00
Classroom 239	Winter	2025	11th Grade, 12th Grade	Social Studies	70	64.10	78.20	14.10	-14.10	198.81
Classroom 244	Winter	2025	11th Grade	Social Studies	15	56.00	82.00	26.00	-26.00	676.00
Classroom 245	Winter	2025	4th Grade	Social Studies	15	26.50	37.00	10.50	-10.50	110.25
Classroom 248	Winter	2025	1st Grade	Social Studies	20	38.50	78.80	40.30	-40.30	1624.09
Classroom 256	Winter	2025	7th Grade	Social Studies	110	69.50	90.20	20.70	-20.70	428.49
Classroom 260	Winter	2025	2nd Grade	Social Studies	13	30.00	57.00	27.00	-27.00	729.00
Classroom 261	Winter	2025	8th Grade	Social Studies	87	33.30	56.04	22.74	-22.74	517.11
Classroom 262	Winter	2025	9th Grade	Social Studies	31	71.00	80.00	9.00	-9.00	81.00

Classroom 266	Winter	2025	8th Grade	Social Studies	116	38.00	54.00	16.00	-16.00	256.00
Classroom 273	Winter	2025	9th Grade, 10th Grade, 11th Grade, 12th Grade	Social Studies	94	3.77	81.00	77.23	-77.23	5964.47
Classroom 275	Winter	2025	2nd Grade	Social Studies	15	42.90	64.84	21.94	-21.94	481.36
Classroom 290	Winter	2025	9th Grade	Social Studies	82	44.86	89.00	44.14	-44.14	1948.34

Number of Tests = N	Number of Birth-12 Students:	Average % Improvement:	-1865.93	81826.22
56	2755	33.32	"X-Y" or "ED"	"(X-Y)^2" or "ED^2"

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

Correlated Groups T-test

L =Top Value ($\sum d/N$)	-33.32
M =Middle value	19653.10
O =Bottom Value	3080.00
P =Square root of M/O	2.53
T = (L/P)	-13.19
$\alpha = 0.05$	Critical T = 1.645
	Significant
T/Square Root of N = Effect	-1.763