

Fall 2020 NWEA update

All students in grades K-8 are given the opportunity to take the Math and Reading NWEA (Northwest Evaluation Association) MPG and MAP assessments at least twice a year (fall and spring). This fall, we will administer the NWEA beginning with our oldest students, who are most experienced with the assessments and technology. Students in grades 5-8 will take the assessments virtually, while students in K-4 will take the assessments face-to-face.

- Mill Creek students began taking the Math and Reading assessments virtually in early October and are on track to be finished this week.
- Creekside students will begin the Math and Reading assessments virtually on October 14th and will finish by the end of October.
- Wylie and DEEC students will take both Math and Reading assessments face-to-face and will finish by the end of October.
- NWEA student and aggregate data should be available in early November.

NWEA communicated updated norms for student achievement and student growth this fall. These norms have been communicated to the building principals, coaches, and intervention specialists for use as we support teachers and students.

Student achievement norms

The norms in the tables below have a very straightforward interpretation. For example, in the achievement norms for reading, grade 2 students in the fall had a mean score of 172.35 and a standard deviation of 15.19. To get a sense of how much variation there was, the SD of 15.19 can be subtracted from the mean and added to the mean to produce a range of about 157-188. Since the norms are based on the bell curve, we know that 68% of all grade 2 reading scores are expected to fall within this range.

2020 Reading Student Achievement Norms						
	Fall		Winter		Spring	
Grade	Mean	SD	Mean	SD	Mean	SD
K	136.65	12.22	146.28	11.78	153.09	12.06
1	155.93	12.66	165.85	13.21	171.40	14.19
2	172.35	15.19	181.20	15.05	185.57	15.49
3	186.62	16.65	193.90	16.14	197.12	16.27
4	196.67	16.78	202.50	16.25	204.83	16.31
5	204.48	16.38	209.12	15.88	210.98	15.97
6	210.17	16.46	213.81	15.98	215.36	16.03
7	214.20	16.51	217.09	16.21	218.36	16.38
8	218.01	17.04	220.52	16.69	221.66	16.87
9	218.90	19.02	220.52	18.73	221.40	19.03
10	221.47	17.92	222.91	17.81	223.51	18.20
11	223.53	17.73	224.64	17.80	224.71	18.50
12	223.80	19.32	223.85	21.21	224.33	23.08

2020 Mathematics Student Achievement Norms						
	Fall		Winter		Spring	
Grade	Mean	SD	Mean	SD	Mean	SD
K	139.56	12.45	150.13	11.94	157.11	12.03
1	160.05	12.43	170.18	12.59	176.40	13.18
2	175.04	12.98	184.07	13.01	189.42	13.44
3	188.48	13.45	196.23	13.64	201.08	14.11
4	199.55	14.40	206.05	14.90	210.51	15.56
5	209.13	15.19	214.70	15.88	218.75	16.70
6	214.75	16.12	219.56	16.74	222.88	17.47
7	220.21	17.41	224.04	17.96	226.73	18.60
8	224.92	18.94	228.12	19.33	230.30	19.95
9	226.43	19.83	228.67	20.06	230.03	20.63
10	229.07	20.23	231.21	20.61	232.42	21.25
11	231.72	20.61	233.49	20.91	234.25	21.65
12	233.02	21.60	233.31	23.07	234.19	24.63

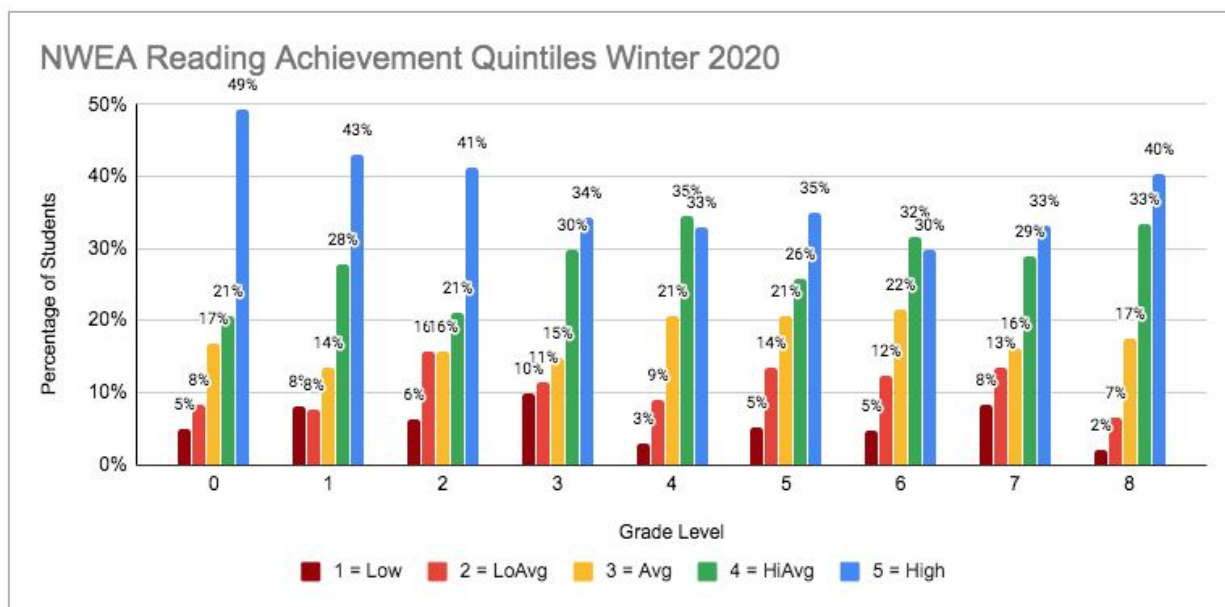
Student growth norms

Growth norms developed for the 2020 MAP Growth norms Study reflect the common observation that the rate of academic growth is related to the student's starting achievement status on the measurement scale. In the elementary grades, for example, students starting out at a lower achievement level tend to demonstrate greater raw growth compared to students in the upper grades. **The growth norm tables below show mean growth when the mean grade level achievement status score (i.e., 50th percentile score) is used as the starting score.** In each case, the starting score is treated as a factor when predicting growth. If a particular student's starting score was below the grade level mean, the growth mean is generally higher. Similarly, students with starting scores above the grade level mean would generally show less raw growth on average. These adjustments for starting achievement, coupled with the inclusion of instructional days in computing the norms, results in a highly flexible and clearly contextualized reference for understanding changes in RIT scores between test events.

2020 Reading Student Growth Norms						
Grade	Fall-to-Winter		Winter-to-Spring		Fall-to-Spring	
	Mean	SD	Mean	SD	Mean	SD
K	9.63	5.75	6.81	5.30	16.45	7.50
1	9.92	5.85	5.55	5.37	15.47	7.74
2	8.85	5.86	4.37	5.37	13.22	7.77
3	7.28	5.86	3.22	5.37	10.50	7.77
4	5.82	5.76	2.33	5.31	8.16	7.53
5	4.64	5.75	1.86	5.30	6.50	7.49
6	3.64	5.65	1.55	5.24	5.19	7.26
7	2.89	5.60	1.27	5.21	4.16	7.15
8	2.51	5.73	1.14	5.29	3.65	7.46
9	1.62	6.06	0.88	5.50	2.51	8.22
10	1.43	5.88	0.60	5.38	2.04	7.80
11	1.11	6.27	0.08	5.62	1.18	8.68
12	0.05	6.38	0.47	5.70	0.52	8.92

2020 Mathematics Student Growth Norms						
Grade	Fall-to-Winter		Winter-to-Spring		Fall-to-Spring	
	Mean	SD	Mean	SD	Mean	SD
K	10.57	5.15	6.97	4.77	17.54	6.63
1	10.13	5.22	6.22	4.82	16.35	6.81
2	9.03	5.11	5.35	4.75	14.38	6.54
3	7.75	4.99	4.85	4.68	12.60	6.26
4	6.50	4.98	4.46	4.67	10.96	6.24
5	5.56	5.10	4.05	4.75	9.61	6.53
6	4.81	5.04	3.32	4.71	8.13	6.38
7	3.83	4.96	2.69	4.66	6.52	6.18
8	3.20	5.27	2.18	4.85	5.38	6.93
9	2.24	5.48	1.36	4.98	3.60	7.41
10	2.14	5.46	1.21	4.97	3.35	7.37
11	1.77	5.92	0.76	5.25	2.52	8.37
12	0.30	6.09	0.88	5.36	1.18	8.75

Winter 2020 (January) Data using new 2020 norms



NWEA Math Achievement Quintiles Winter 2020

