

Dayton NWEA-MAP and Mindplay Comparison

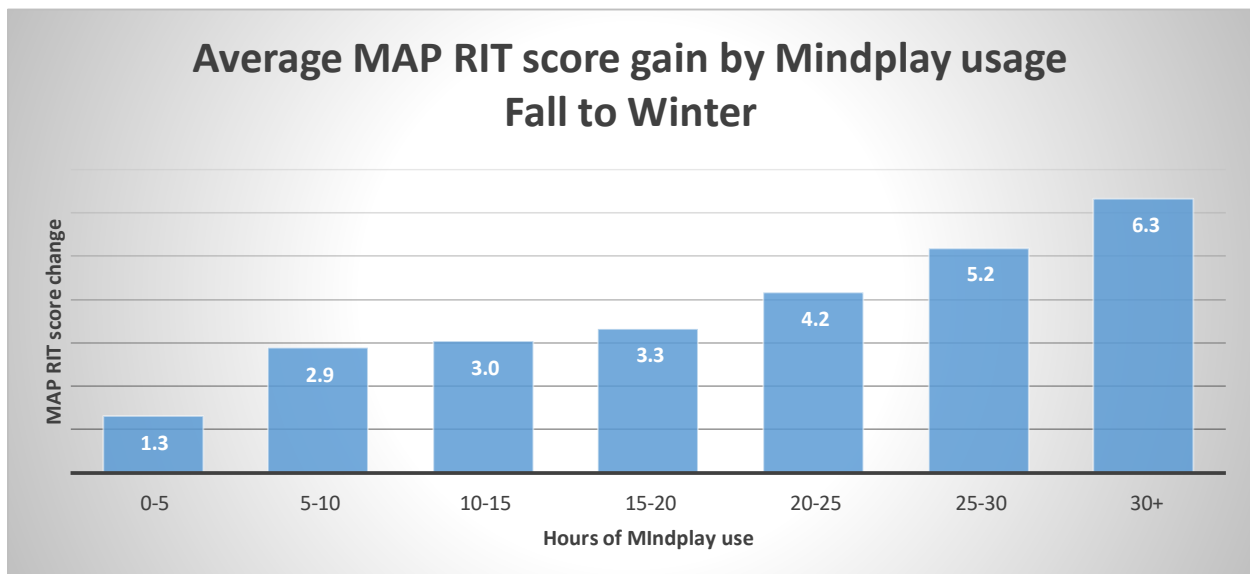
Fall 2018 to Winter 2018

The correlation between NWEA-MAP¹ and Mindplay² designations are strong. The correlation between NWEA-MAP and Mindplay designations are **strong ($r^2 = .68$)** for winter MAP results. The designations were grouped as follows for this analysis.

NWEA-MAP designation	Mindplay designation	Mindplay reading grade level
Accelerated and advanced	Exceeding	1 or more grade levels ahead
Proficient	Meets	At grade level
Basic	Approaching	1 grade level behind
Limited	Critical	2 or more grade levels behind

Mindplay usage dramatically improves NWEA-MAP RIT score gains

The more students used Mindplay, the greater their RIT score gains. Students who effectively did not use Mindplay (0-5 hours of use) saw about 1/6th the RIT score gains when compared to students who used the program with fidelity (30+ hours). Remember a 6 RIT gain is, on average, a year's growth.



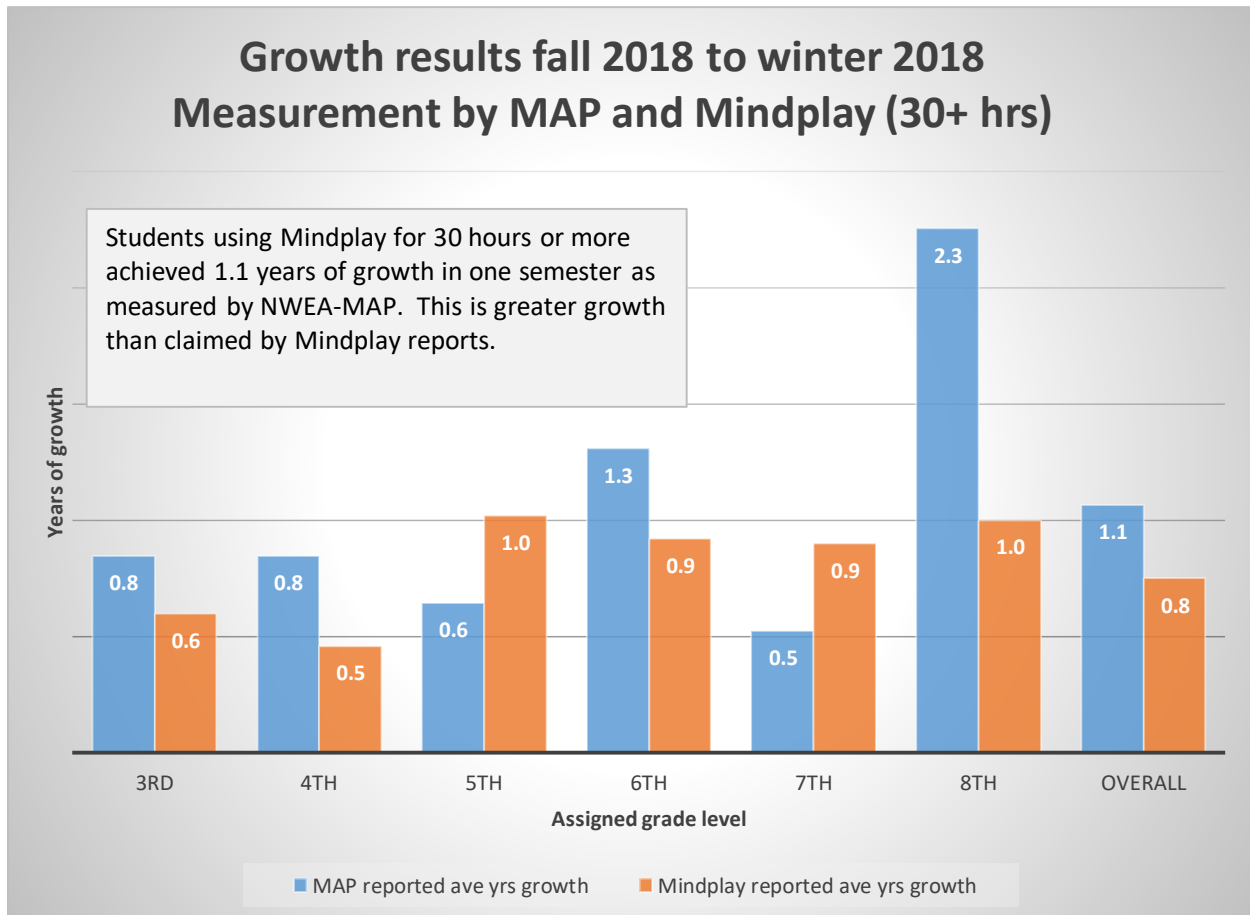
¹ NWEA-MAP data provided by Dayton Public Schools including Fall 2018 and Winter 2018

² Mindplay data provided by Dayton Public Schools including Mindplay results from August 20, 2018 to December 20, 2018

Fidelity use of Mindplay resulted in 1.1 years of growth as measured by NWEA-MAP³

For students using Mindplay for 30+ hours, NWEA-MAP results showed 1.1 years of growth from fall to winter. At the current rate, these students should see around 2 years of growth by the end of school in May.

Please note, the growth rates reported by Mindplay⁴ are conservative (lower) when compared to the NWEA-MAP results. This means our current improvement rates are probably greater than reported weekly.

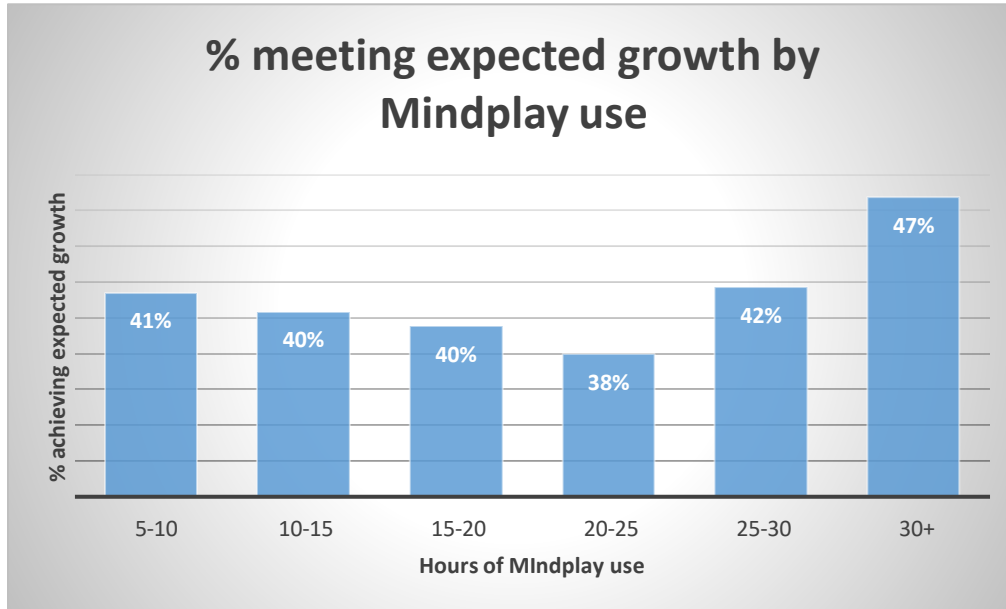


³ Years of growth based on NWEA-MAP norm tables for reading, 2015

⁴ Drawn from Mindplay Improvement reports by grade level for students with at least 30 hours of use

Higher levels of Mindplay use improves student MAP growth target achievement

The following graph shows the positive impact of strong Mindplay usage. The results include all students (general education and students with disabilities).



General information

General information about the students included in this analysis.

Hours of Mindplay use	Grade levels						Total
	3	4	5	6	7	8	
0-5	5%	7%	2%	30%	18%	38%	100%
5-10	6%	20%	9%	13%	24%	28%	100%
10-15	13%	19%	18%	9%	20%	22%	100%
15-20	15%	19%	21%	14%	18%	14%	100%
20-25	21%	18%	21%	17%	14%	10%	100%
25-30	23%	17%	21%	22%	12%	5%	100%
30+	26%	19%	19%	25%	5%	6%	100%
Total	19%	18%	19%	18%	14%	12%	100%

Grade level	SPED status		Total	SPED %
	N	Y		
2	815	104	919	11%
3	906	155	1061	15%
4	776	156	932	17%
5	728	164	892	18%
6	690	172	862	20%
7	674	175	849	21%
8	620	165	785	21%
9	1012	218	1230	18%
Total	6221	1309	7530	17%

According to Dayton Public Schools Roster Reports, there are 5,381 students in grades 3-8, the NWEA-MAP assessment targets. Only 4,050 students in these grade levels had fall and winter NWEA-MAP data. This represents only 75% of the total population.