# Mindplay impact on NWEA-MAP results

The Mindplay program regularly reports growth in terms of student progress on internal measures of reading proficiency. The question is, “Does Mindplay impact external measures of reading progress”. A commonly used measure is the NWEA-MAP ELA assessment.

The assessment is typically given three times a year (fall, winter, and spring). The assessments result in a RIT score. Growth is measured by comparing a previous set of results to current results. Depending on a student’s score, they are allocated to one of five designations (Accelerated, advanced, proficient, basic and limited). Norm tables are published by NWEA-MAP so districts compare a student’s scores with typical student scores at the beginning, middle, and end of each grade level. Growth in years can be crudely established by comparing the norm tables with the gains a student makes.

## The correlation between NWEA-MAP[[1]](#footnote-1) and Mindplay[[2]](#footnote-2) designations are strong

The correlation between NWEA-MAP and Mindplay designations are **strong (r2= .68)**. 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[[3]](#footnote-3)

Students using Mindplay dramatically outperform those who don’t. Students with no or little Mindplay exposure saw about 1/6th the RIT score gains achieved by students who used the program with fidelity (30+ hours). 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 [↑](#footnote-ref-1)
2. Mindplay data provided by Dayton Public Schools including Mindplay results from August 20, 2018 to December 20, 2018 [↑](#footnote-ref-2)
3. N=4,051 [↑](#footnote-ref-3)