



Pearson

MyPedia — India

Product Efficacy Report Summary

Access to experienced teachers and educational technology is not equal for all learners in India. MyPedia is positioned as a full academic partner solution for private schools in India serving middle class families providing both teaching resources and teacher training services to help improve student achievement — regardless of the school's level of access to technology or its teachers' level of experience.



Study 1

Pearson explored whether using MyPedia in private schools in India successfully supports improvements in teachers' knowledge and pedagogical practices as well as students' learning and achievement. To make this assessment, Pearson conducted an implementation study over two years, and then explored if the implementation quality ratings were related to students' scores on end-of-year tests in English, math, and science.

Looking at implementation quality by teachers, we saw:

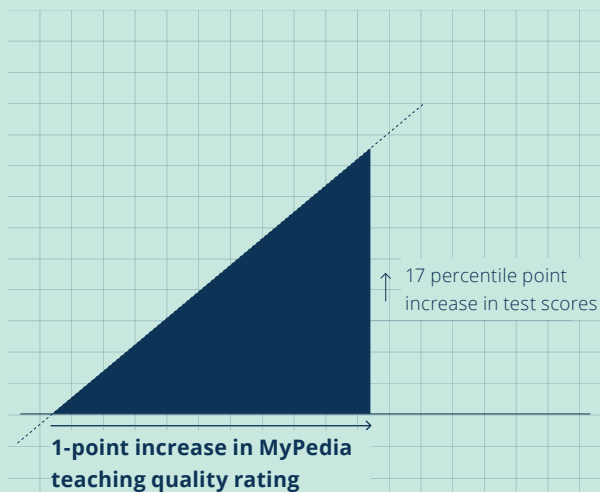
- Averaged across all observed classrooms, overall MyPedia teaching quality ratings increased each quarter from 2017 to 2018, moving from "does not meet standards" to "meets standards."
- Averaged MyPedia teacher impact ratings increased each quarter from 2017 to 2018.

- MyPedia teacher confidence ratings increased each quarter between 2017 and 2018.

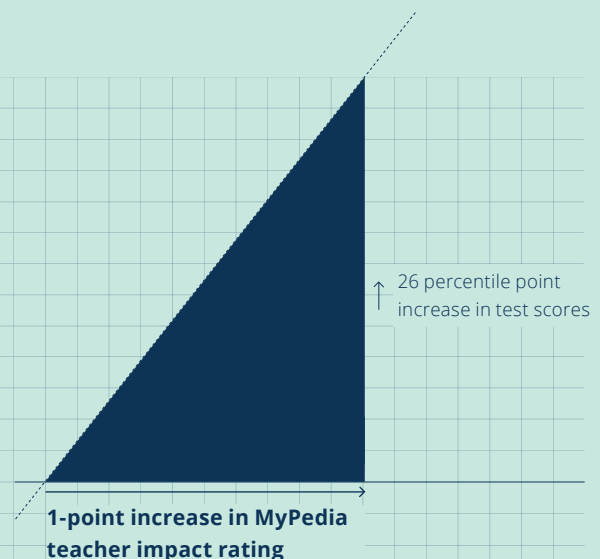
And then we looked at the relationship with student achievement: Higher observed MyPedia teaching quality and teacher impact ratings are associated with better student summative test scores.

In the context of this study, we can make the following correlational statements about the efficacy of MyPedia (See diagram below):

Correlational efficacy statements



A one point increase in the MyPedia teaching quality rating is related to a 0.44 standard deviation increase (i.e., 17 percentile points) in students' summative test scores



A one point increase in MyPedia teacher impact rating is related to a 0.71 standard deviation increase (i.e., 26 percentile points) in students' summative test scores.

In the same context, we can also make several descriptive statements about the efficacy of MyPedia. These statements are as follows.

Descriptive efficacy statements

50%

Teaching quality rating in 2017

67%

Teaching quality rating in 2018

18%

Very confident teachers in 2017

27%

Very confident teachers in 2018

36%

Teachers likely to have a positive impact on learners in 2017

72%

Teachers likely to have a positive impact on learners in 2018

Averaged across all observed classrooms, overall MyPedia teaching quality ratings increased each quarter from 2017 to 2018, moving from “does not meet standards” to “meets standards”.

The percentage of teachers whose average MyPedia teaching quality rating indicated they were “meeting standards” increased from 50% in quarters 1 and 2 of 2017 to 67% in quarter 2 of 2018.

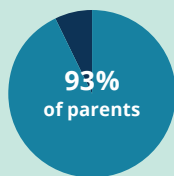
MyPedia teacher confidence ratings increased each quarter between 2017 and 2018.

18% of teachers were rated “very confident” in quarters 1 and 2 of 2017, whereas 27% were “very confident” in quarter 2 of 2018.

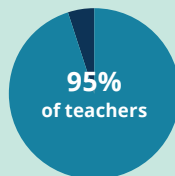
Averaged MyPedia teacher impact ratings increased each quarter from 2017 to 2018.

The percentage of teachers whose average MyPedia teacher impact rating indicated they were “likely to have a positive impact on learners” increased from 36% in quarters 1 and 2 of 2017 to 72% in quarter 2 of 2018.

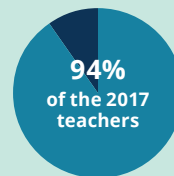
In addition, overall, teachers and parents had high opinions of MyPedia in 2017 and 2018.



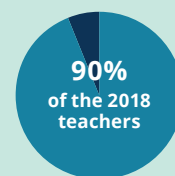
93% of parents



95% of teachers



94% of the 2017 teachers



90% of the 2018 teachers

Rated MyPedia as either Good, Very Good or Excellent

When asked how they would rate the overall quality of MyPedia as a solution for their school, 95% of teachers (2017 = 169/181, 2018 = 158/165) and 93% of parents (2017 = 335/368, 2018 = 173/179) rated MyPedia as either Good, Very Good or Excellent.

Rated MyPedia as either Good, Very Good or Excellent

94% (170/181) of the 2017 and 90% (149/165) of the 2018 teachers agreed MyPedia contributes to students' positive attitude toward learning.

How we did the research

This implementation study examined how teachers and students were using MyPedia in classrooms in India, and whether the quality of teachers' implementation of MyPedia was related to student achievement.

The study analyzed:

- ratings of MyPedia teaching quality of MyPedia teaching quality, MyPedia teacher impact, and MyPedia teacher confidence, which were collected via a standardized classroom observation tool
- students' scores on beginning-of-year achievement tests in English, math, and science
- surveys of teachers and parents covering the learning experience, satisfaction, and perceptions of MyPedia

A total of 74 schools were observed during the research period, and the complete set of information was available for 22 of these.

Pearson Academic Relationship Managers (ARMs) observed 557 lessons in these 74 schools between April 2017 and September 2018, and they recorded their findings using a standardized form. A number of teachers using MyPedia were interviewed face-to-face, and a representative sample of parents (those whose children's school had used MyPedia during the current school year) were interviewed by phone.

For 22 of the schools, the researchers collected test scores from the same group of students in May–June 2017 and in May–July 2018 for the subsequent grade.

The study used a fixed effects model to estimate and test the magnitude of the relationship between the quality of MyPedia implementation (judged by classroom observations) and student achievement.

Pearson's efficacy commitment

Efficacy is core to all we do. Our commitment to improving learner outcomes means that the products and services we provide to learners around the world are designed to help them make measurable progress in their lives through learning. In practice, this involves identifying the outcomes that matter most to learners and educators, and then designing products based on evidence from learning science about what will help realize those outcomes. We iteratively explore the impact that the use of our products has on learning and apply these insights to continuously improve our products and services.

Explore the full report at [Pearson.com/corporate/efficacy-and-research](https://www.pearson.com/corporate/efficacy-and-research)