Product’s name: *Mindspark Mathematics*
Grade ranges evaluated: Grades 1-2, 3-5, 6-8, 9-10
Date of evaluation: *Evaluated by the Tulna team January 2021*

**Product Context and Roadmap:**

1. Evaluation study results:
   - **JPAL:** Two RCTs in Mindspark centres in Delhi and in 40 govt. schools in Rajasthan;
     a. 0.22 SD gains in language, 0.36 SD gains in Maths in **Delhi**
     b. 0.20 SD gains in Maths and language in **Rajasthan**
   - **Gray Matters India:** Mindspark learning labs in 55 government schools in Lucknow; 7x gains in learning level of children after one year intervention
   - **IDInsight:** Mindspark labs in 28 medium to high fee private schools; 0.232 SD gains in learning levels of children

2. The *Abdul Latif Jameel Poverty Action Lab (J-PAL)*, a Research Centre at Massachusetts Institute of Technology led by Professor Karthik Muralidharan (co-chair of education) conducted a pilot randomized evaluation of the Mindspark program, deployed through stand-alone centers in Delhi as well as another subsequent evaluation in Government schools of Rajasthan. The finding stated that these were among the largest gains of any education intervention that were observed. This was published a paper in the National Bureau of Economic Research (NBER) on “**Disrupting Education? Experimental evidence on Technology-aided instruction in India**”. [http://www.nber.org/papers/w22923.pdf](http://www.nber.org/papers/w22923.pdf)

3. Mindspark was selected as [one of the top 10 finalists](#) for the UNESCO King Hamada Bin Isa Al-Khalida Prize for use of ICT in Education in 2019 and for leveraging AI & ML in education in 2020.

4. Mindspark was mentioned in “*Remarks by World Bank Group President Jim Yong Kim at the 2018 Annual Meetings Plenary* at Bali.”
   
   “We invited top innovators here to Bali to showcase how technology can accelerate progress toward financial inclusion and improved human capital. For example: The Mindspark app uses millions of data points from student tests to figure out common mistakes children make answering math problems, and the program designs remedial exercises for each student. This platform has helped 80,000 students across India improve math and Hindi skills for a fraction of the cost of attending school.”

5. Mentioned in [case study on India by Ashish Dhawan as “innovations that work”](#) in *Bill & Melinda Gates Foundation’s Goalkeepers*, an initiative to track progress towards SDGs.
   
   “Another innovation that has had an impact is Mindspark, an adaptive learning program that helps teachers provide personalized instruction in an online environment. In a study, students who
spent 20 weeks using Mindspark scored 200 percent higher in math and 250 percent higher in Hindi than students in a control group.”

6. Mr David Evans, a Lead Economist, World Bank, penned a blog post on Mindspark with the title - Techno-skeptics pay heed: A computer-assisted learning program that delivers learning results. “Frankly, even the intent-to-treat effects are big: “The ITT effects on math were close to a full grade-level over just 4.5 months (even with only 58% attendance).”


9. EI has been selected as one of 15 finalists in 2017 by the Qatar World Innovation Summit for Education (WISE) for their innovative and impactful approaches to today’s most urgent education challenges.

10. Mindspark has been featured in Stanford Social Innovation Review article, Leapfrogging Toward Success in Education by Rebecca Winthrop & Adam Barton, on using education technology to addressing skills uncertainty and inequality across the globe.

11. Mindspark was featured by World Economic Forum in May 2019, as a best practice on using technology for improving learning outcomes in the article titled, Is technology key to improving global health and education, or just an expensive distraction?

12. Mindspark in Chhattisgarh was highlighted as a case study by the Central Square Foundation in their newsletter, the Edge, in August 2019 in an article titled, How EdTech is transforming education in remote Dantewada.

13. Mindspark was mentioned in August 12-25th 2019 Business India magazine’s special CSR issue, “CSR and More”

14. Mindspark was mentioned by ‘The Economist’ in March 2020 in an article titled, How covid-19 is interrupting children’s education.

“Mindspark, which tests basic language and maths skills, children made more progress in these areas than those in the control group”

15. Mindspark was featured in a curated list by UNESCO in March 2020, as a “self-directed learning content” during the times of COVID-19 in the article titled, Distance learning solutions.

16. Mindspark centres were mentioned in Leapfrogging Towards Success in Education, Stanford Social Innovation Review in September 2017

“Mindspark Centres successfully leverage educational technology and data to transform math and literacy learning for disadvantaged students in India... The platform automates differentiated
instruction, using each student’s responses to tailor academic content to his or her knowledge level. Gamification and real-time content adaptation ensure that students learn what they need to learn, and that they have fun while they do it. This program has served more than 3,700 students. The centers produce gains in student learning equivalent to a 1.04 effect size in math and 1.23 in Hindi over a period of six months."

17. Mindspark was mentioned in the Hechinger Report in March 2017 in an article titled, The potential, Promise and Pitfalls of Blended Learning in India - Mindspark as a tool for blended learning

18. Mindspark was mentioned by the World Bank in February 2017 in a blog by David Evans titled, technoskeptics pay heed: A computer-assisted learning program that delivers results

19. Mindspark was a 2017 WISE Awards Finalist

20. Mindspark was mentioned in the PAL Implementation Guidance Note prepared by MHRD

21. Mindspark was mentioned in report by KPMG titled, enhancing quality of education in India by 2030