

BODDLE LEARNING

Executive Summary



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BODDLE LEARNING

OVERVIEW

SUMMARY

LEANLAB Education is a nonprofit organization that pairs school districts and edtech companies to research emerging classroom innovations. Boddle Learning partnered with LEANLAB as a third-party evaluator to identify usability features or functionalities of Boddle that could be enhanced or added to make Boddle more user-friendly and valuable to teachers. The study also set out to collect preliminary data on how teachers implement Boddle in the classroom with greatest success.

LEANLAB used a co-design research framework throughout the study as a means to elevate the voices of those most impacted by education tools being used in the classroom and in order to help create a tool that is responsive to the needs of school communities.

RESEARCH QUESTIONS

- **What features and/or functionalities of Boddle need to be enhanced or added to make Boddle more user-friendly?**
- **What aspects of Boddle add value for teachers and what features and/or functionalities should be added to provide additional utility to teachers and students?**
- **How do teachers use Boddle in the classroom with greatest success?**

METHODOLOGY

- Implementation Survey (1)
- Interviews with Teachers (18)

LEARNING ENVIRONMENT

Teachers began using Boddle at Citizens of the World in the middle of February in a virtual format and assigned it as homework. Teachers then used it with students, in the physical classroom, starting in mid-March and continued to assign it as homework.

Teachers at Guadalupe used Boddle with students, in their physical classroom, starting in early March and also assigned it as homework.

Boddle Learning

Tulsa, OK

Boddle Learning is an immersive educational game that engages students (K-6th) in math education and practice through tailored learning content.

Solution Type
Math Application

Subject
Math

Grade Level
K-6

Founders
Edna Martinson
& Clarence Tan

Guadalupe Centers

Kansas City, MO

Public Charter Elementary School

3%	Black
2%	Multi-Racial
92%	Hispanic
2%	White
1%	Asian American

100% Free & Reduced Lunch Eligible

90% English Language Learners

Citizens of the World KC

Kansas City, MO

Public Charter Elementary School

46%	Black
11%	Multi-Racial
8%	Hispanic
34%	White
1%	Asian American

46% Free & Reduced Lunch Eligible

5% English Language Learners

BODDLE LEARNING

FINDINGS

IMPLEMENTATION FINDINGS

- Rostering is easy because Boddle is integrated with Clever and Google Classroom
- All teachers reported that the training process of Boddle Learning was **"easy and accessible."**
- All teachers reported that the Boddle Learning customer support staff was easy to contact and quick to respond and answered questions effectively.
- All teachers used Boddle as a supplementary tool, allowing students time for independent math practice.
"It's something extra for them to work on. It's really helpful during small group time. It's like they need that extra practice."

"I would like to use it as a station. It has helped me a lot giving them something to do after finishing an assignment."
- 7 out of 9 teachers reported that Boddle was a helpful tool when students were at home because it was easy to assign and gave students an easy way to practice at home.
- Teachers used Boddle about 20 minutes a day, on average, which they found to be the appropriate length of time for optimal student engagement.
- Teachers recommend establishing a consistent routine at the beginning of the semester would help integrate Boddle more effectively.
- All teachers reported that students who are advanced in math tend to excel further and quicker within Boddle and with less support than students that are behind in math.
"I know that students who really like math, they love playing it...the students who like math are doing really well in Boddle."

PRODUCT MODIFICATIONS

TEACHER RECOMMENDATIONS	STATUS
More, shorter training sessions <ul style="list-style-type: none"> • <i>One session should include more guidance on how to implement Boddle in the classroom.</i> 	Boddle redesigned their training offerings and protocol, which now includes three 45-minute sessions (30 minutes of PD and 15 minutes of Q&A) that can be flexibly scheduled: <ul style="list-style-type: none"> • Overview session of Boddle and its features • How to use Boddle in the classroom • How to use the Reporting Tools within Boddle
Add a "Remember Me" button for easier and quicker student log-in.	<i>Implemented</i>
Need a snapshot page on the teacher dashboard that gives classroom-level metrics	<i>Implemented</i>
Include a graphic or some visual representation on the classroom snapshot page to be able to show kids how they are doing as a whole class and how each individual compares.	<i>In-Progress</i>

BODDLE LEARNING

VALUE ADD FOR TEACHERS

The following are the key features of Boddle that teachers reported added value to their classrooms.

Identify learning gaps

Learning Gaps Report helps teachers identify skills that need extra instruction.

- "It has for sure helped me find missing skills. The learning gaps report is really helpful. Then it helps me differentiate between teaching and learning."
- "It's been helpful to curate work - to identify which kids are missing which skills...and then I know what to send home and that they know what to work on in the summer."
- "Boddle helps me catch up with my students...and [identify] which skills need to be taught better -- because all these kids are struggling with it. So I can identify what I need to teach."

Curriculum supplement

Supplement to the math curriculum that provides more practice that is fun and motivates students.

- "Boddle is really helpful during small group time. It's like they need that extra practice."
- "Boddle has helped us make math more engaging. It's a fun way to practice skills. It's more engaging than IXL. It's given us an extra resource and reinforces what we are teaching. It's a really good extra practice."
- "Boddle provides rigorous instruction that I can add to their math instruction as a supplement."

Allows for more time to prepare

Gives teachers more time for lesson planning when they use Boddle as a supplement in the classroom.

- "It does give me 20 mins/25 mins time to plan for the next day. So it's fairly efficient in that way and helpful to me."

Adaptive learning

Students of all levels receive content suited to their level and they receive the right amount of challenge and support.

- "Boddle is adaptive, so students that are behind are kept on Boddle longer."

About LEANLAB Education

LEANLAB Education is a nonprofit research organization that helps schools understand and solve their biggest problems. We listen to parents, educators, and students to help them pinpoint specific problems that hinder student achievement. Then, we match those schools with education entrepreneurs. Together, they develop the next generation classroom tools through research and direct, community feedback.

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