



Inputs

How do customers use BSD Education ?



Activities

What makes BSD Education Unique?



Outputs

What does the data tell us about the BSD Education experience?



Outcomes

What does the research say about the potential benefits of this model?

Teachers

- Curate BSD content and custom content into lessons
 - Multiple skill levels
- Teach lessons
 - Virtual, face to face or hybrid
 - Flexible pacing
- Assess student work
 - Provide written feedback to students using rubrics
- Participate in professional development
 - Ongoing support
 - Technical support

Students

- Engage with teachers
 - Real-time chat
 - Hand raise
- Complete projects
 - Customize and personalize projects
- Show their completed work
 - Share public URLs
 - Portfolio of work
- Reflect on assessments
 - Multiple attempt quizzes
 - Feedback from rubrics

Projects

- BSD Guided Projects and lessons
 - Scaffolded for ease of learning and reduction of cognitive load
 - Allows for personalization, customization and creativity
 - Rooted in personally and culturally relevant topics
 - Results in a sharable digital artifact

Professional Tools

- Real Technology Skills
 - Students learn HTML, CSS and JavaScript
- Professional coding environment
 - Custom error messages
 - Interactive Glossary of technical concepts

Professional Development

- Preparing teachers to teach online or face to face
 - Technical skills
 - Pedagogy
 - 21st Century Skills
 - Design Thinking
 - Computational Thinking
 - Round the clock global human support

Expanding Engagement

Increasing number of customers globally

- 60,595 students
- 3,431 teachers

Daily active users globally

- 300,000 hours spent learning since 2019

Instructional Support

High quality professional development for teachers

- 7,200 hours of training

Comprehensive curriculum library

- 500+ hours of content

Satisfaction

Customers recommend the product

- Net Promoter Score of 75, higher than the global average

Students are satisfied and engaged

- 99% of students surveyed enjoyed the courses

Teacher Ability

When teachers have ongoing support and trust in the product, their ability and effectiveness to teach technical skills increases. (1)

Technical Skills

Learning to code has a strong correlation to transfer-skills and has far reaching cognitive benefits. (2)

Metacognitive reflection improves performance for novice programmers (3)

Project Based

When learning to code, structured projects are better than open-ended activities (4)

Scaffolding the knowledge of new content can increase student motivation and engagement (5)

Students show an increase in problem-solving ability when learning through projects (6)