

## Case Study

# i-NTNmath Powered by MagicBox™ Empowering Math Teachers




## About Client



National Training Network, Inc. (NTN) specializes in coaching & professional development services for math teachers. For over 30 years the company has been providing professional development services that are tailored to the needs of individual schools, based on the extensive analysis of data. NTN uses research-based methodologies with “Seven Levels of Professional Development” focused on deepening the understanding of both teachers and students in the essential concepts of mathematics.

NTN is known for supporting instruction that integrates best practices of mathematics teaching, through the provision of effective strategies and tools for teachers to deliver meaningful daily instruction. The goal is to ensure improved student engagement, productivity, and performance.



 **Nicole Beck**  
President  
National Training Network



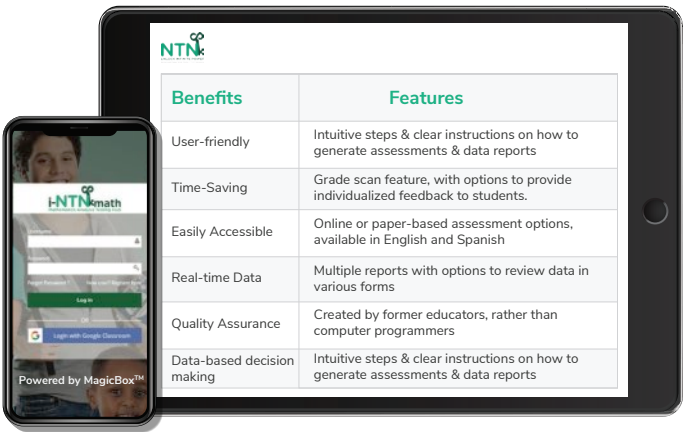
Educators work tirelessly to design and implement math lessons that meet students individual needs. Through our job-embedded coaching and the consistent partner feedback, it was clear teachers were spending too much time developing and scoring in order to make data-driven instructional decisions. In our opinion, this timely process is not the best use of educators' time.

We at NTN decided that we needed to develop a solution for this. So we held focus groups and partnered with MagicBox to build a program that gives educators the right information needed to help their students accel in mathematics.”

# The Problem

Educators do not have easy access to standards-based questions that provide reliable data in real time. To empower teachers to assess math learning digitally, NTN launched i-NTNmath. i-NTNmath is a web-based assessment program that measures student performance on state-specific math standards.

They needed a robust digital learning platform that would enable the creation, deployment, grading and tracking of such math assessment effortlessly, while being aligned to state standards.



NTN knew that managing data had always been a challenge for schools, especially for synchronous and asynchronous learning that is part of remote learning.

The data needed to be analyzed to provide teachers a meaningful way to gain insights into student performance and learning gaps, in order to provide personalized support. In addition, the data could help NTN make informed decisions regarding the ongoing support they provide to teachers.

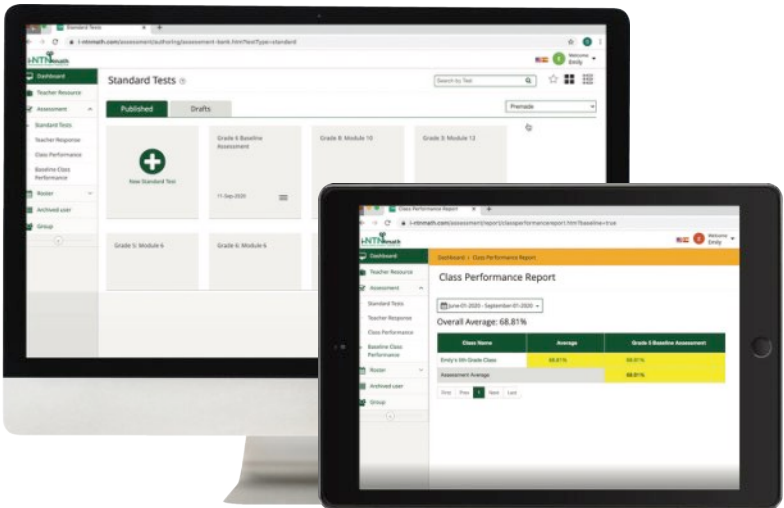
# The Magic Solution

MagicBox, the award winning, end-to-end digital education publishing and distribution platform, proved to be the best fit for NTN's needs. MagicBox customized its powerful assessment engine to develop the robust features in i-NTNmath that allow users to create, deploy, grade and track assessments. Educators can create standards-aligned assessments in just a few simple steps by choosing a grade level, desired standard(s) and the number of assessment items.

# The Teacher Dashboard

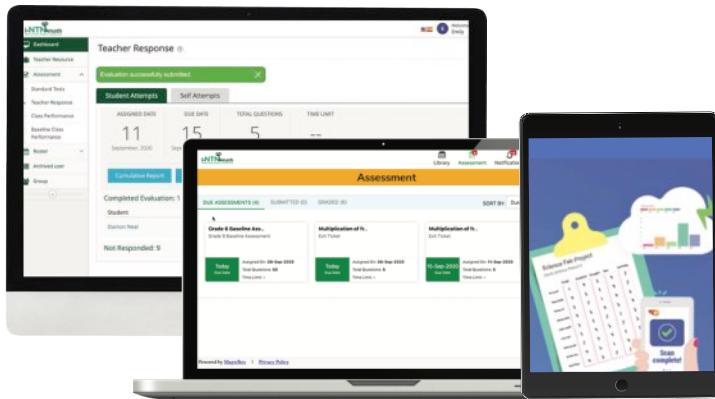
With a powerful dashboard, teachers can create standards-based assessments in just a few simple steps. They can choose the grade level, the desired standard(s) and the number of items in the assessment.

i-NTNmath also provides a Baseline Assessment, comprised of 50 carefully selected questions that assess student understanding of key concepts from the previous grade level. The data helps teachers identify learning gaps, group students, and make instructional decisions.



# Dynamic Assessments

Powered by MagicBox™ assessment engine, i-NTNmath provides various assessment benefits:



- ✓ **User-Friendly:** Intuitive design to easily create assessments and generate data reports
- ✓ **Time Saving:** Automatic scoring and grade scan features to capture data quickly
- ✓ **Easily Accessible:** Online and paper based options that can be used anywhere at anytime
- ✓ **Real Time Data:** Multiple reports give options to review data in various formats
- ✓ **Standards-Based:** Assessments items aligned to state standards, created by a qualified team of educators

- ✓ **Personalized Feedback:** Ability to provide personalized feedback to students based on their responses to further understanding

## Real-Time Reporting

- 1 Assessment reports for teachers to track student performance.
- 2 Exclusive sets of assessment reports for school and district administration.



## Comprehensive Solution

i-NTNmath provides educators the opportunity to assess digitally or administer paper based assessments. With the integration of Gradecam, teachers can generate student specific answer sheets for paper based administration. All that is needed is a device with a camera to capture student responses directly in i-NTNmath, with scoring done automatically.

With this feature, teachers can provide:

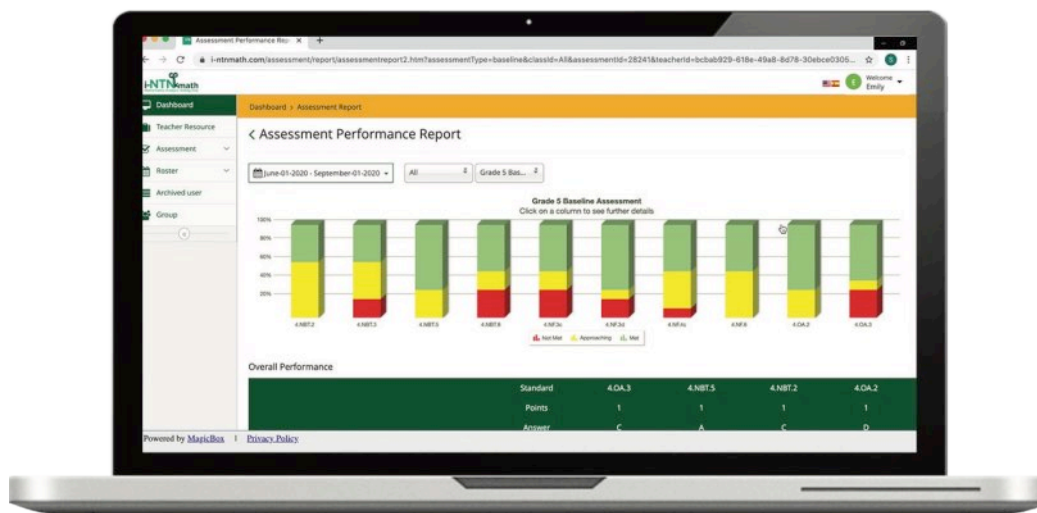
**Creating Assessments**  
Teachers can easily create and assign an assessment in three simple steps.

**Instant Feedback**  
Automatic scoring captures student data in real time so teachers can provide personalized feedback based on student misconceptions.

**Reliable Reporting**  
Various reports are accessible to different stakeholders to evaluate student understanding.

## Conclusion

Educators can easily generate assessments and evaluate data in any learning environment with the use of i-NTNmath, powered by MagicBox. This digital tool saves teachers time creating assessments by providing reliable, standards-aligned assessment items with a few simple clicks. Data is instantly captured and organized in various data reports, so that teachers and administrators can dedicate their time evaluating the data to better support student understanding of math concepts.



When data is organized in a meaningful way, it can be productively used to enhance learning outcomes, while NTN can use the data to provide better support and empower educators to enhance learning outcomes.

## Our Technology & Integration Partners

