



Ensuring a bright future for every child

MISSISSIPPI
DEPARTMENT OF
EDUCATION

2016-2017 MISSISSIPPI PILOT PROGRAM

(Inaugural Pilot Year)

Algebra Nation pilot program districts experienced a **7.2%** increase in the percentage of students scoring at Level 4 or 5 on the Mississippi Academic Assessment Program (MAAP) compared to a **4.8%** increase for non-Algebra Nation pilot program districts on the Spring 2017 Algebra I assessment.



2016-2017 ALGEBRA NATION PILOT PROGRAM

30 DISTRICTS

67 SCHOOLS

STUDENT / TEACHER USAGE


150K VIDEOS VIEWS

125K PRACTICE PROBLEMS COMPLETED

PROFESSIONAL DEVELOPMENT AND SCHOOL VISITS

45 PD/TRAINING SESSIONS

250 TEACHERS PARTICIPATED

 2016-2017 Algebra Nation Pilot District

WHAT TEACHERS ARE SAYING:

*"This year I have used Algebra Nation in my classroom and my students have tremendously benefited from it! My scores for our first semester were wonderful! EVERY student passed and **ALL** scored proficient or above **except** for 2!"*

One of the reasons I love Algebra Nation is that the questions in Algebra Nation are the closest that I have found to questions that will be on their MAP test at the end of the year, not only for level of difficulty, but also for the format of the questions. Other reasons that I love Algebra Nation are that it is a great resource for my students to use when they need to be tutored on a concept (I wish I had this as a resource when I was taking Algebra in High School!). It also provides incentives for them to learn concepts in order to be able to help others on the wall and win prizes.

I could go on and on about the benefits of Algebra Nation in the classroom! As, I'm sure, every teacher that uses it can. It is a wonderful resource for students as well as teachers."

Linda Isbell

Algebra 1 Teacher, Monroe County

"Today, we pulled out our books to do some extra practice work and I discovered to my surprise that we are almost through with all the topics through Chapter 9. I have never been this far in the book at this point in the year! I credit Algebra Nation with helping my students master content so we could move on and also with eliminating lessons that do not align with my state standards. Because of both of these things, we are successfully completing all of the requirements for an Algebra 1 class in Mississippi."

Carra Turner

Algebra 1 Teacher, Chickasaw County

"Algebra Nation has been a wonderful asset to our Algebra program this year. There are so many helpful parts of this program! In addition to many valuable working pieces, it is aligned to our curriculum wonderfully and meets the needs of all students at all levels!"

Cynthia Brudette

Algebra 1 Teacher, Jones County



MISSISSIPPI STATE UNIVERSITY™
RESEARCH & CURRICULUM UNIT

June 2017 Evaluation of Algebra Nation Pilot Program (Seymour, D., Dechert, K.)

Use of Algebra Nation results in statistically significant improvements (over previous years) in the following areas:

- Out-of-school student support for Algebra I (on demand, live supports; Algebra Wall; device variety, etc.)
- MS CCRS Algebra I and MAAP Aligned Resources
- Teacher supports (pedagogy; lesson plans; Teacher Wall, etc.)

9 out of 10 teachers believe that teachers in other Mississippi districts would use Algebra Nation, too, if it were available.

WHAT IS ALGEBRA NATION?

Algebra Nation is a one-stop resource that provides custom-developed Algebra 1 resources, supports, and training aligned to the Mississippi College- and Career-Readiness Standards at no cost to districts, thanks to a partnership with the Mississippi Department of Education and the Mississippi State Legislature.



Standards-Aligned Instructional Videos: Students can learn algebra at any time by watching Algebra Nation's standards-aligned instructional videos. Algebra Nation is available on desktop computers, tablets, and smartphones, so students can learn at anytime, in any place! Students take ownership of their learning by choosing from multiple Study Experts, who teach at different paces and with different styles, ensuring students find their perfect match.



Custom-Developed Workbook: Students can use Algebra Nation's workbook to follow along with the videos for easy reference and organization. All of the content in Algebra Nation's videos and workbooks has been aligned to the Mississippi College- and Career-Readiness Standards by the Research and Curriculum Unit at Mississippi State University to ensure students learn every topic and skill they need to succeed in Algebra 1 and on the Mississippi Assessment Program test in Algebra 1.



Homework Help on the Algebra Wall: Algebra Nation extends the school day by offering homework help to students through the interactive Algebra Wall. Students can ask questions and receive help from expert teachers and tutors. Students can also help one another on the Wall and can earn prizes for their efforts!



Assessments with Real-Time Feedback: Algebra Nation's "Test Yourself!" Practice Tool tests students' understanding of key concepts and provides immediate feedback at the end of each Algebra Nation section. The "Test Yourself!" Practice Tool measures students' progress and directs students to resources that target gaps in their understanding, while helping them prepare for the MAP test in Algebra 1 and important standardized tests like the ACT.



Algebra Teacher Professional Learning Network: Teachers can connect with other math educators across Mississippi through our Teacher Area and free face-to-face trainings. At any time, teachers can visit the Teacher Area to download activities and resources, run reports on their students' usage, and discuss instructional strategies on the Teacher Wall.



WAYS TO USE ALGEBRA NATION

Algebra Nation's resources are designed to be flexible, so teachers can decide how best to use them to enhance instruction. There are many ways to use Algebra Nation to introduce concepts, differentiate teaching, support a substitute teacher, or encourage collaborative learning!



Whole Group Instruction: Teachers can project and play part of an Algebra Nation video in class to introduce or review a concept before diving into a student-centered activity. Algebra Nation is also a great resource for substitute teachers, who may not have experience teaching algebra.



Differentiation: Teachers can provide intensive instruction to small groups of students, while other students watch a portion of an Algebra Nation video. Teachers love to assign videos to reinforce concepts they've taught in class or to allow advanced students to move ahead at their own pace!



Virtual Co-Teacher: Teachers can use the Study Experts as virtual co-teachers in class by projecting, pausing, and discussing Algebra Nation videos, which gives students an opportunity to see concepts and material taught in multiple ways. Teachers can also watch the videos outside of class to observe new strategies and techniques for presenting key topics.



At-Home Support: Students can watch a videos at home or on the go using their tablets or smart phones. If they are stuck with homework or want to review something they learned in class, students can post questions on the Algebra Wall to get instant answers from Study Experts, other teachers, and their peers.

Visit AlgebraNation.com/LearnMore for more information!