

### More than 60% of Pathblazer Students Exceed Annual Growth Expectations on NWEA MAP® Growth™ Assessments

During the 2016–2017 school year, Claude Elementary School (CES) used Pathblazer to provide personalized instruction to students in grades K–5. Results show that after one year of using Pathblazer, 70 percent of CES students met or exceeded growth expectations on the Measures of Academic Progress Growth (MAP Growth) assessment in mathematics and 62 percent of CES students surpassed expected growth benchmarks on the MAP Growth assesment in reading (see Figure 1).

#### CLAUDE ELEMENTARY SCHOOL DEMOGRAPHICS:

<b>Enrollment:</b> 160 Students	
Caucasian:	78%
Hispanic:	16%
Two or more races:	3%
African American	2%
Other	1%
Economically disadvantaged:	2%

**Figure 1. Claude Elementary School Pathblazer Students, Grades K-5**

Performance on the NWEA MAP Growth Reading and Math Assessments, Fall 2016 to Spring 2017

Subject/Grade	Number of Students	Fall 2016 RIT	Spring 2017 RIT	RIT Gain	Expected RIT Gain	% Students Met or Exceeded Norm
<b>Reading</b>	<b>123</b>	<b>181.0</b>	<b>194.5</b>	<b>13.5*</b>	—	<b>62%</b>
K	22	142.4	164.2	21.9*	19.1	64%
1	20	164.2	187.1	23.0*	16.8	75%
2	17	173.2	186.9	13.7*	14.0	39%
3	20	187.8	194.9	7.1*	10.3	52%
4	22	204.3	214.4	10.1*	7.8	79%
5	22	211.5	217.2	5.7*	6.1	55%
<b>Math</b>	<b>121</b>	<b>182.9</b>	<b>200.4</b>	<b>17.6*</b>	—	<b>70%</b>
K	22	140.6	165.5	24.6*	19.1	82%
1	20	166.0	188.4	22.5*	18.4	83%
2	17	174.2	191.8	17.6*	15.2	61%
3	20	194.0	206.9	12.9*	13.0	61%
4	21	204.5	220.1	15.6*	11.6	70%
5	21	218.3	229.8	11.5*	9.9	64%

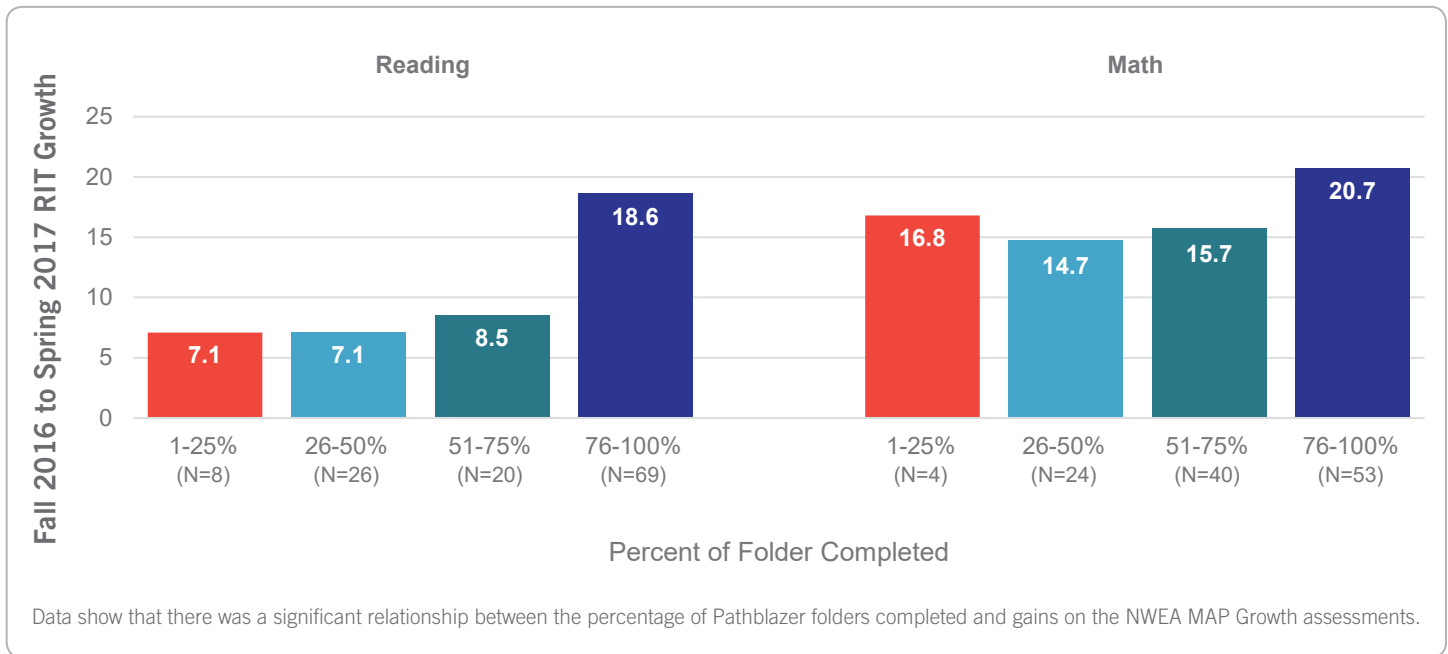
\*p<0.05

On average CES students exceeded fall-to-spring MAP Growth RIT gains (as determined by the NWEA normative sample) in kindergarten, 1st-, and 4th-grade for reading, and in kindergarten, 1st-, 2nd-, 4th-, and 5th-grade for math.

Edgenuity also investigated the relationship between the percentage of folders that were completed in Pathblazer and overall reading and math RIT growth. Data indicate that students who completed more than 75 percent of Edgenuity reading folders had gains that were 11.5 points higher than students who completed fewer than 25 percent of folders. Similarly, students who completed more than 75 percent of math folders scored 3.9 points higher than students who completed less than 25 percent of math folders (see Figure 2).

**Figure 2. Claude Elementary School Pathblazer Students, Grades K-5**

Average Growth on NWEA MAP Growth Reading and Math Assessments, by Percentage of Folders Completed, Fall 2016 to Spring 2017



## Challenge

CES is located 30 miles east of Amarillo in the Texas Panhandle. The rural school enrolls approximately 160 students in grades pre-K to 5. Over the years, CES classrooms were becoming larger and more academically diverse. Teachers were struggling to create lesson plans that accelerated all learners’ academic achievement. “Our school was consistently meeting state academic standards and received multiple distinctions,” said Principal Doug Rawlins, “but we found that our lower-performing and higher-performing students’ growth was flatlining. We wanted to make sure that we were accelerating all students’ academic achievement.”

## Solution

Rawlins examined different blended learning solutions and chose Pathblazer because it addressed all five components of literacy—phonemic awareness, phonics, fluency, vocabulary, and comprehension. Students used the program 60 minutes per day, completing online mathematics folders for 30 minutes in the morning and online reading folders in the afternoon for 30 minutes.

“Pathblazer truly made learning fun for students. All of a sudden students were motivated and became high-performers.”

**DOUG RAWLINS, PRINCIPAL - CLAUDE ELEMENTARY SCHOOL**

## Lessons Learned

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Results from this preliminary study indicate that students benefitted from participation in online Edgenuity Pathblazer activities.

- **Improvements in Learning:** Students demonstrated a significant fall-to-spring gain of 13.5 RIT points on the MAP Growth reading assessment and an 18-point RIT gain on the MAP Growth math test.
- **Reviewing Student Progress:** At the end of each session, teachers reviewed progress and achievement data in student portfolios.
- **Aligning Online and Face-to-Face Instruction:** Teachers grouped students based on Pathblazer data and conducted mini lessons that provided additional remediation, challenge, or support.