



Smarty Ants®

PROGRAM RESEARCH BASE

WHITE PAPER



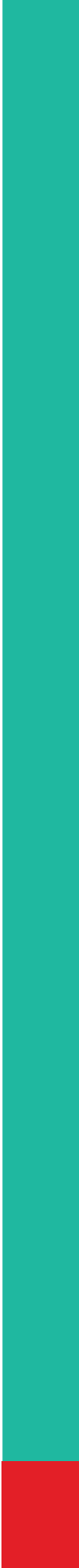
Introduction

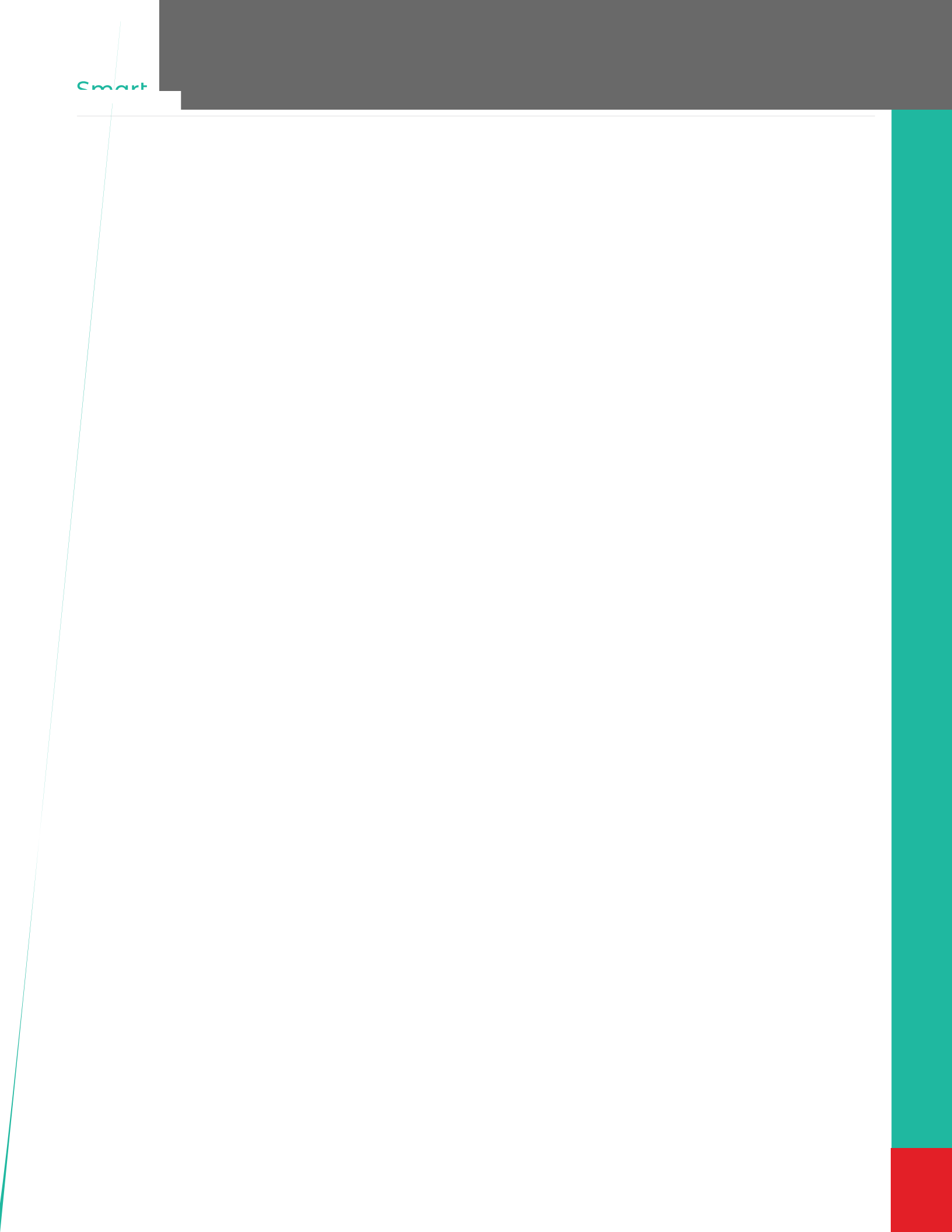
During the fall of the 2017-2018 school year, Bay District Schools, which is located in Panama City, FL and serves the students of Bay County, launched its use of McGraw Hill's literacy solutions with all of its elementary school students as well as for students in sixth through tenth grades who need intervention based on the district's Response to Intervention (RTI) model. Since Bay District Schools uses NWEA MAP as a diagnostic and benchmarking test, the district leadership thought Achieve3000 Literacy was a great fit because of the platform's ability to provide small-group lesson plans targeting the skills each student needs to work on most, according to MAP performance data that can be imported into the Achieve3000 Literacy platform. Known for its strong district leadership, Bay District Schools advocated for providing on-site professional development to every single one of their 3,000+ teachers in one day.

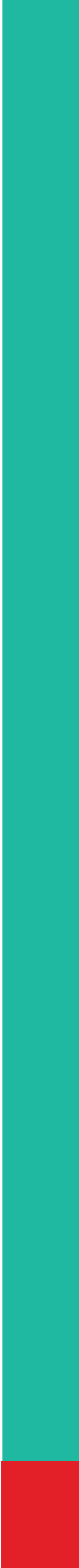
In 2017-2018, 28,076 students were enrolled in preschool through 12th grade with 86 percent of students identifying as white, 15 percent as black, eight percent as Hispanic, seven percent as one or more races, two percent as Asian, and about half of a percent as American Indian or Pacific Islander. Across the district, 18 percent of students had disabilities, three percent were English language learners, and 53 percent qualified for free and reduced lunch.¹ (<https://edstats.fldoe.org>).

Following the 2017-2018 school year, McGraw Hill conducted an analysis of Bay District Schools students' performance on the NWEA MAP (Grades K-2) and the Florida State Assessment for English language arts (FSA ELA) (Grades 4-10) tests in relation to students' usage of Smarty Ants and Achieve3000 Literacy during the 2017-2018 school year.

Achieve3000 Literacy (grades 2-12) is powered by a patented methodology that delivers grade-appropriate lessons to the entire class and simultaneously tailors them according to each student's Lexile® reading level. Achieve3000 Literacy has been proven to accelerate reading comprehension, fluency, writing proficiency, and vocabulary development. Smarty Ants is a proven foundational literacy solution that helps students master complex phonics skills as they learn to decode phonemes and words and eventually read stories.







Results for Grades 4-10

Program Usage

Over the course of the 2017-2018 school year, participating students in 4th-8th grades logged in an average of 100 times, completed 47 lessons (i.e. multiple-choice activity sets), and demonstrated an average first-try score of 65 percent on embedded assessments. Students in Grade 4 completed more lessons than the other grades (50), and tenth graders had the highest average first-try score (AFTS) of 71 percent. See Table 2 for detailed usage data.

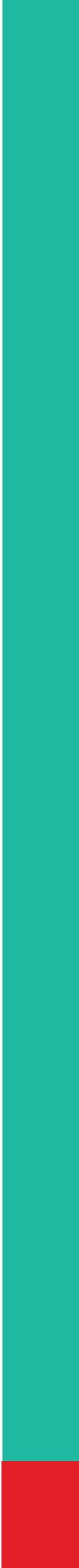
Table 2: Program Usage Summary Overall and by Grade, 2017-2018 School Year

| Overall | | 4th | | 5th | | 6th | | 7th | | 8th | |
|---------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| Logins | Lessons | Logins | Lessons | Logins | Lessons | Logins | Lessons | Logins | Lessons | Logins | Lessons |
| 100 | 47 | 100 | 50 | 100 | 47 | 100 | 47 | 100 | 47 | 100 | 47 |
| 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |

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