

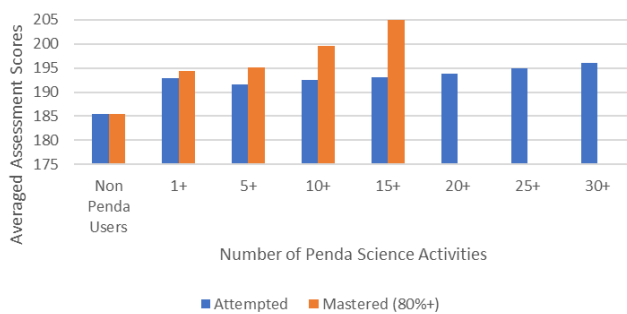
# 2017 - 2018 PENDA IMPACT EVALUATION SHIELDS MIDDLE SCHOOL

Hillsborough County Public Schools, Tampa. FL.



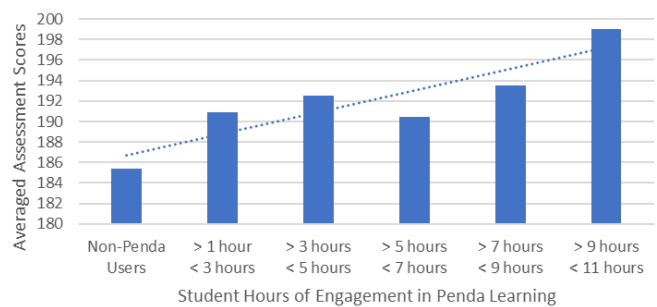
## ACTIVITIES ATTEMPTED & MASTERED

Penda Science Activities Attempted/Mastered and Grade 8 SSA Performance Outcomes



## HOURS OF ENGAGEMENT

Hours of Engagement in Penda Learning and Grade 8 SSA Performance Outcomes

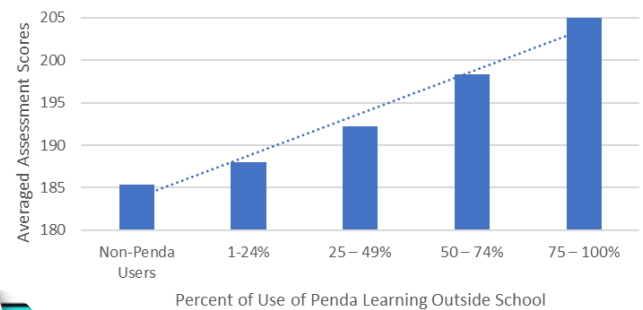


## STUDENT PERFORMANCE STATS

	n	Average SSA Score
All Students	479	191.49
Non-Penda Student Users	101	185.39
Penda Student Users	378	193.07

## PERCENT OF USE OUTSIDE SCHOOL

Percent of Use of Penda Learning Outside School (4pm - 7am) and Grade 8 SSA Performance Outcomes



## STUDENT ACHIEVEMENT IMPACT

- Analysis of 378 grade 8 science students over the four-month study period indicated a positive relationship between Penda usage metrics and student performance outcomes for students who took the 2018 Florida Grade 8 Statewide Science Assessment (SSA).
- Students who used Penda Learning during the study period scored on average 7 points higher than students who did not.
- Those students who used Penda Learning for more than 9 hours scored on average 13 points higher than non-users.
- Students who attempted and mastered (80% or better) a minimum of 15 activities scored on average 19 points higher than students who did not use Penda Learning.



## SCIENCE TEACHERS WEIGH IN

"I do feel it impacted my students' learning. I saw their confidence level increase for assessments on the content that was given. I was able to see their improvement on targeted standards as they worked and reworked through Penda lessons."  
- Grade 8 Science Teacher

"My students enjoyed using Penda - they liked the game set-up of the program. I liked the automatic assignments and the reports sent to me weekly via email. The program positively impacted student learning."  
- Grade 8 Science Teacher

"Students were highly engaged doing Penda. Students talked about their scores, points earned, and I observed several friendly competitions."  
- Grade 8 Science Teacher