



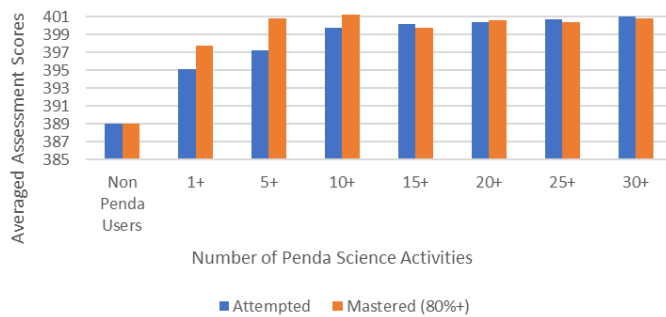
2017 - 2018 PENDA IMPACT EVALUATION POINCIANA HIGH SCHOOL

Osceola County Public Schools, Kissimmee. FL.



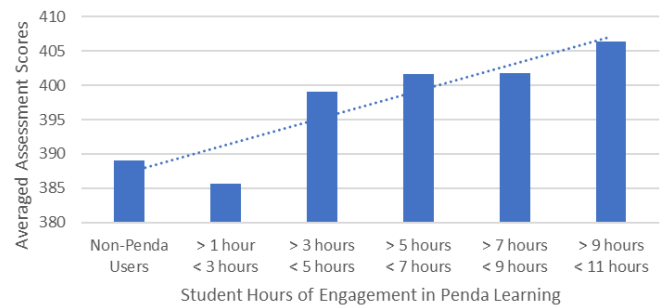
ACTIVITIES ATTEMPTED & MASTERED

Penda Science Activities Attempted/Mastered and Biology I EOC Performance Outcomes



HOURS OF ENGAGEMENT

Hours of Engagement in Penda Learning and Biology I EOC Performance Outcomes

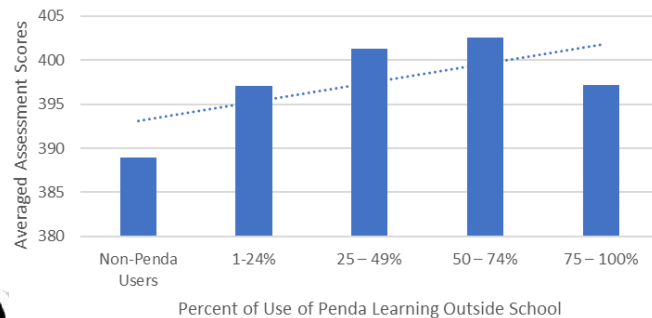


STUDENT PERFORMANCE STATS

| | Average Biology I EOC Score | Average Achievement Level |
|-------------------------|-----------------------------|---------------------------|
| All Students | 394 | 3 |
| Non-Penda Student Users | 389 | 2 |
| Penda Student Users | 395 | 3 |

PERCENT OF USE OUTSIDE SCHOOL

Percent of Use of Penda Learning Outside School (4pm - 7am) and Biology I EOC Performance Outcomes



STUDENT ACHIEVEMENT IMPACT

- Analysis of 360 Biology I students over the six-month study period indicated a positive relationship between Penda usage metrics and student performance outcomes for students who took the 2018 Florida High School Biology I End of Course (EOC) Exam.
- Students who used Penda Learning during the study period scored on average 6 points higher than students who did not.
- Those students who used Penda Learning for more than 9 hours scored on average 17 points higher than non-users.
- Students who attempted and mastered (80% or better) a minimum of 20 activities scored on average 12 points higher than students who did not use Penda Learning.



BIOLOGY TEACHERS WEIGH IN

"I learned about Penda from another [middle] school in our district. We were excited to use Penda at PHS and progressively implemented it for Biology EOC prep."
- Science Coach

"Penda was easy to use! Once students logged in, they received weekly assignments that targeted highly assessed Biology EOC standards. I received weekly email reports to monitor standards mastery for each student."
- Biology Teacher

"Students loved the avatars, gaming aspects, and competing against their friends (earning points on the science activities they completed). They were more willing to do assignments and practice for the EOC with Penda."
- Biology Teacher