



2016 – 2017 Case Study

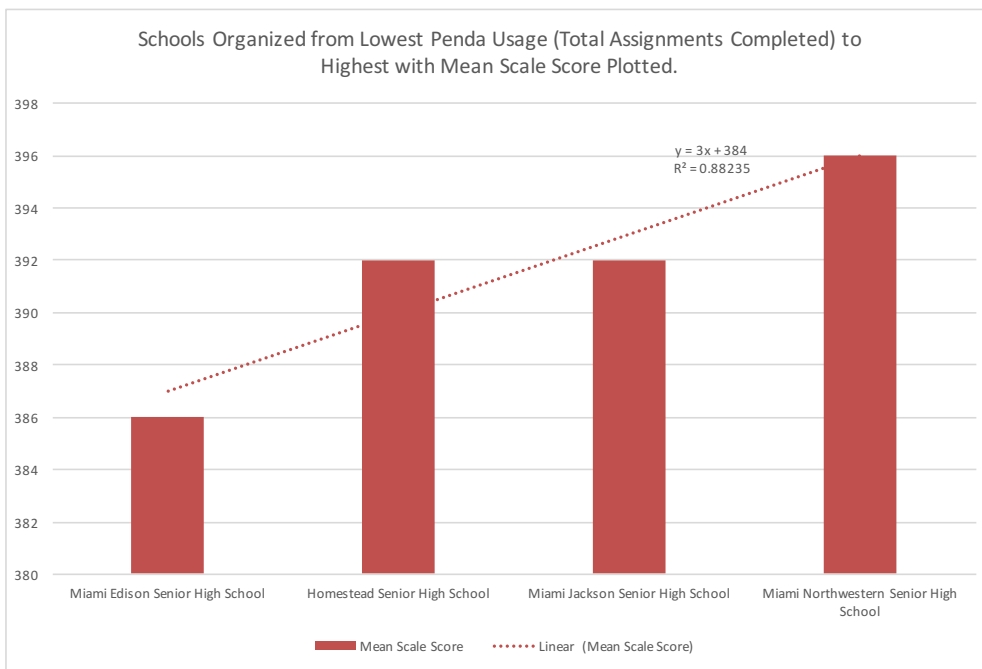
Miami-Dade County Public Schools - Miami, FL.

Miami-Dade High Schools Look to Improve Biology EOC Results with Penda Learning

Biology EOC Prep Implementation

- On-site professional development was offered to teachers at the start of subscription and as requested by school
- All teacher-users received weekly automated assignments for students via Penda’s Pacing Assistance Service for Biology I.
- Emphasis was placed on data-driven instruction using Penda reports, creating intervention groups within Penda, and differentiating instruction for various levels of learners within a classroom.
- Weekly automated Class Mastery Reports were sent to teachers via email for progress monitoring and monthly School Administrator Reports were sent to school administrators identified.
- Ongoing support was offered via Science Chair/Coach planning/implementation support, and dedicated customer support for all schools.

Key Findings – Biology I EOC



District Stats:

- 4 Penda school subscribers
- 4 out of 4 Penda school subscribers are Title I schools

Penda Learning Stats:

- 6,313.5 task hours logged by students in total
- 10,564 science activities mastered (80%+) by students
- 50% of total student time on Penda occurred outside of school hours (4pm- 7am)

Correlating Penda Usage to Mean Scale Score Performance:

- 3 out of 4 schools increased their Mean Scale Score from 2016 to 2017.
- + 3.6 average net increase in Mean Scale Score from 2016 to 2017

Correlating Penda Usage to Level 3 and Above Performance:

- 3 out of 4 schools increased the percent of Level 3 and Above from 2016 to 2017.
- + 7.6% average net increase in Level 3 and Above from 2016 to 2017

PENDA LEARNING is an effective math & science intervention tool rooted in efficacy that supports Response to Intervention (Rti), data-driven instruction, and differentiated instruction. Built by educators for educators, Penda Learning creates standards-based content for grades 4 – 10, built on a highly engaging student gaming platform. Districts and schools partner with Penda Learning by providing their custom scope and sequence documents. Penda Learning’s Pacing Assistance Service (PAS) automatically aligns standards-based activities to district/school scope and sequence without any effort needed by district or school staff. Penda Learning’s PAS feature then automatically assigns activities to students weekly on the teacher’s behalf. Students receive instant feedback as they complete activities, earning points that unlock gaming features, including customizing their avatar, challenging friends and moving through virtual Penda Worlds. Teachers receive standards-based Class Mastery Reports weekly via email automated by the Penda platform. Reports are designed to help teachers proactively employ targeted intervention and remediation using Penda Learning intervention features/functionality.