Superintendent's Report

November 13, 2023

DPS	K	1	2
501 (501)	150 (151)	177 (177)	174 (173)

LV	3	4	5
500 (498)	156 (155)	168 (167)	176 (176)

DMS	6	7	8
514 (512)	166 (165)	173 (174)	175 (173)

DHS	9	10	11	12
647 (644)	149 (148)	166 (163)	178 (179)	154 (154)

CMAVTS	9	10	11	12
91	14	18	27	32

Non-Public Enrollment Report

	May 2023	August 2023	Sept 2023	Oct 2023
Outside Cyber Charter	40	32	31	35
Christian Schools	201	200	203	202
Special Programs	16	14	14	14
Amish Schools	31	30	30	30
Nature School	4	5	5	5
Homeschool	95	112	112	114
	387	393	395	400

Curriculum and Instruction Report

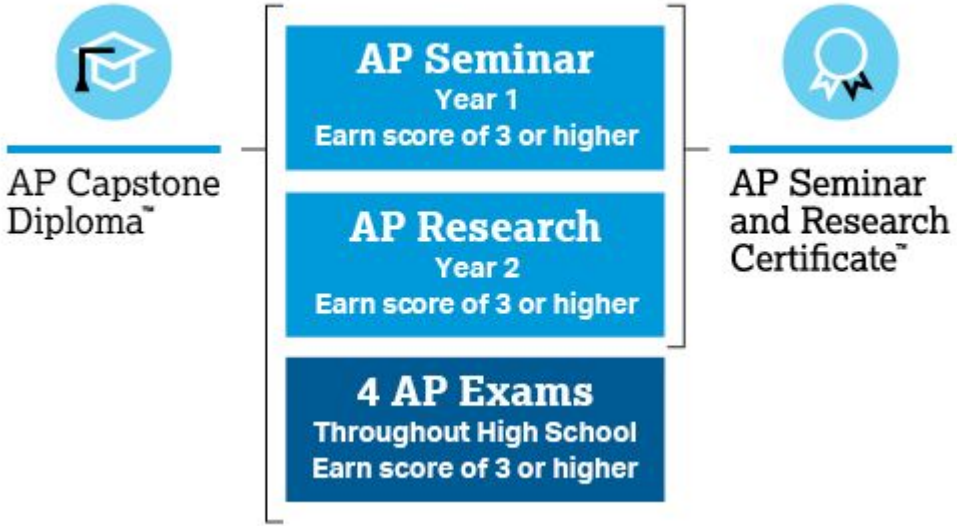
- High School AP Capstone Program
- K-8 Math Curricular Resources
- Curriculum Approval Process Update
- PA Act 13 Building Level Scores
- 2022-2023 PVAAS Growth Scores

High School AP Capstone Program



What is it?

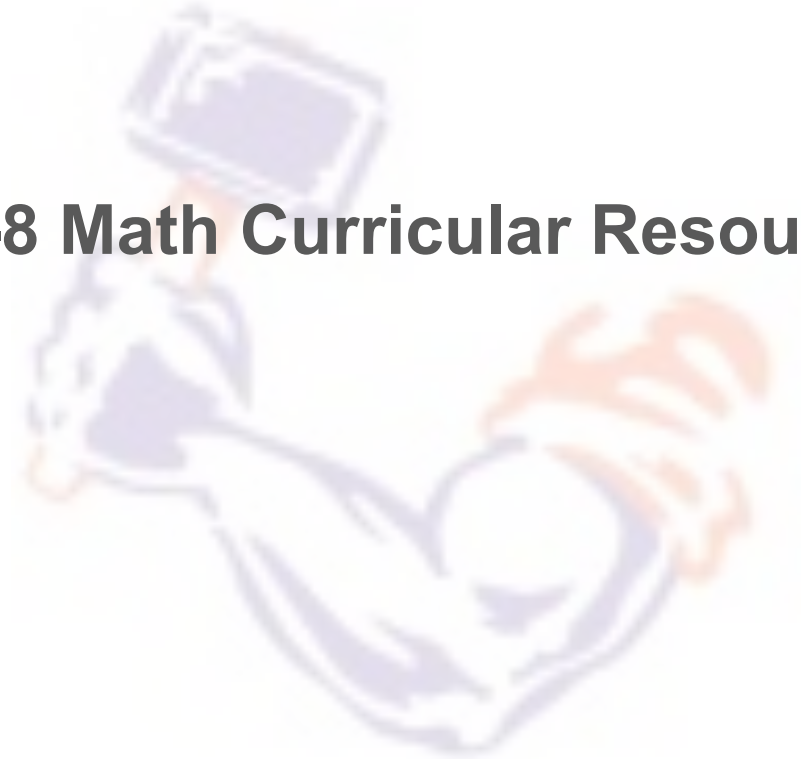
- Recognized by the College Board upon completion with a diploma
- Highly regarded by competitive colleges and universities



Where are we?

- While we have a wide selection of AP Courses, we would need to add two:
  - AP Seminar
  - AP Research
- Discussions with High School English Department
- Next steps

K-8 Math Curricular Resources



Context

- Contract with Curriculum Associates for i-Ready Classroom expires at the end of the 2023-2024 school year for grade K-5 and the end of the 2024-2025 school year for grades 6-8.

Initial Steps

- Administration has met with all Math leads, with building principals invited, to discuss the process of reviewing resources.
- All parties identified a consistent K-8 resource as being a priority.
- Basic research has lead to the identification of 5 Math series to carefully review and consider:
  - i-Ready classroom (Curriculum Associates)
  - enVision Mathematics (Savvas)
  - Experience Mathematics (Savvas)
  - Into Mathematics (Houghton Mifflin Harcourt)
  - Eureka Math 2 (Great Minds)

Current Status

- Have requested sample materials for all grade levels.
- Have received 4 of these 5 thus far, with the likelihood of receiving last one by the end of this week.

Process

- Departmentally, perform a comprehensive review of each of the resources.
- Each grade level band, along with administration, will conduct a standardized review process for each resource, including identifying each resource's strengths and weaknesses (DASD Board Policy 108).
- Once a recommendation is made, we will provide materials for Academic Affairs Committee and public to review.
- Once passed through Academic Affairs, we will provide materials for Board of Directors and public to review.

Curriculum Approval Process Update



Overview

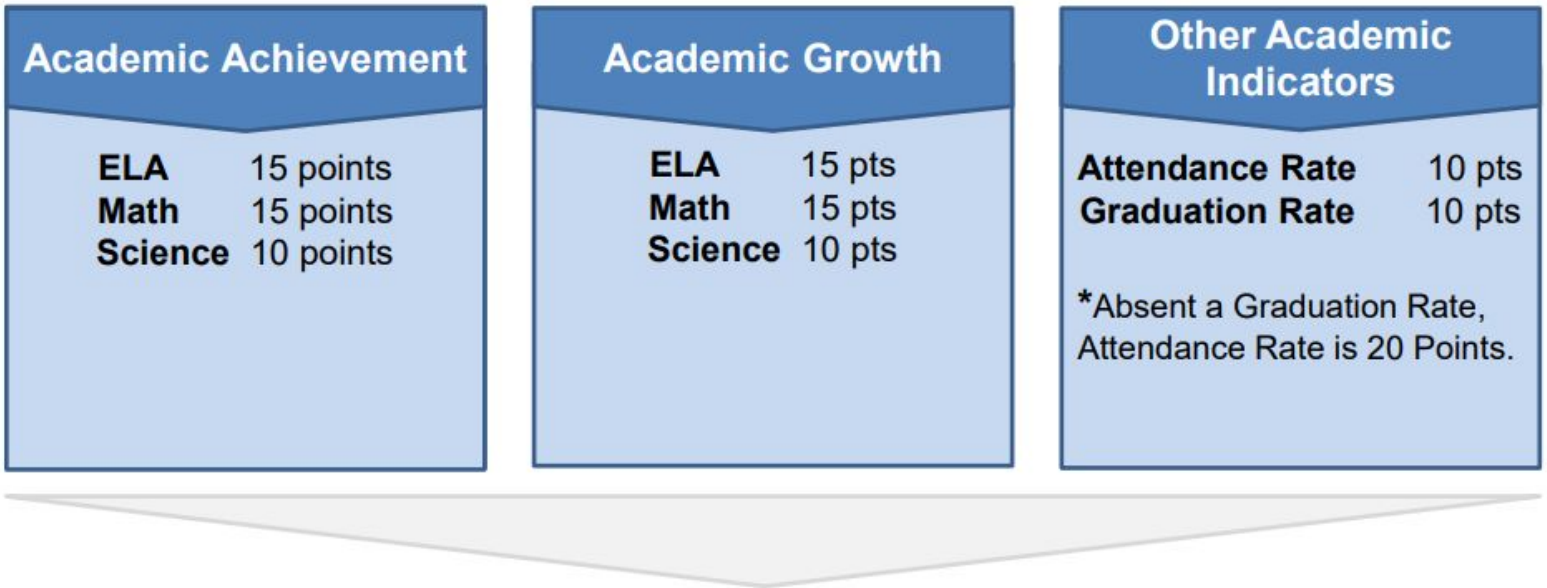
- Over the last few months and finishing in the next few months, we have been working on new curricular scope and sequence documents (per recommendations from PDE) and bringing them to the Board for approval.
- Currently, conducting a curriculum audit attempting to identify the last approvals made by the Board for all grade levels and content areas.
- In the process of uploading all **last-approved** curricular scope and sequence documents on the District website.
- As the Board approves new curricular documents, website will be updated.

Standards-Aligned System

- Curricular scope and sequence documents are aligned to Pennsylvania's Curriculum Frameworks and demonstrate how each subject area and grade level plans to instructionally deliver content, skills and competencies and how to assess students' progress.
- In addition to hosting scope and sequence documents on our website, we will also post grade-level and content-area PA Curriculum Frameworks, so that all can see the connections.
- Example of PA Curriculum Framework for Kindergarten Literacy.

2022-2023
PA Act 13 Building Level Scores

How PA Act 13 Building Level are Calculated



Danville Area School District Act 13 Building Level Scores for 2022-2023

Building	Building Score	CSIU 16 Ranking
Danville High School	79.8	2/16
Danville Middle School	69	10/14
Liberty Valley	81.1	6/23

2022-2023
PVAAS Growth Scores

PVAAS Growth

- Unlike PSSA scores, which measure students' achievement, PVAAS Growth Scores measure how much progress in an academic area a student has made in the span of time between tests.
- PVAAS scores are the best indicator we have of whether or not students closed academic gaps.
- PVAAS scores are available for grades 4-8 and Keystone Exams for ELA and Math and for grades 4 and 8 and Keystone Exams in Biology.

PVAAS Growth

- PVAAS formula calculates students' growth from one assessment to the next.
- For each student and each group (entire grade level, subgroups, etc.), identifies what one solid year's worth of growth is and measures a growth index.
- This growth index shows how closely to one year's worth of growth a student, or group of students, achieves.
- Growth can be at, below or above one year's worth.



Importance of PVAAS Growth

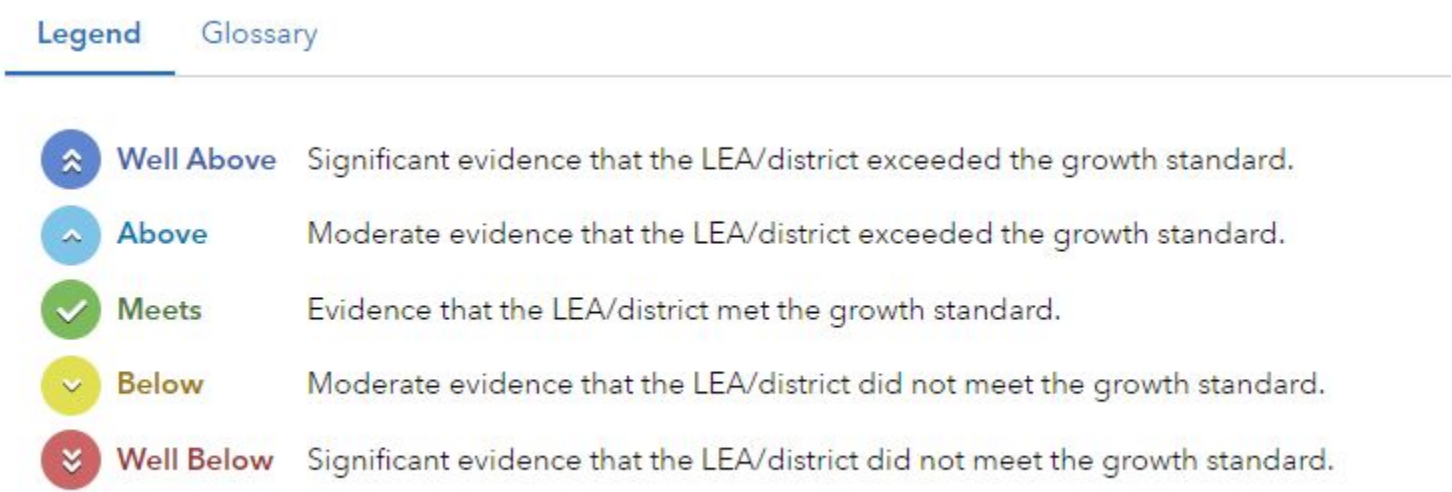
- The only way to close achievement gaps is to have multiple years' worth of MORE than one year's worth of growth because the benchmark continues to move.

- Example:
  - A 3rd Grade student scores Below Basic on PSSAs at the end of 3rd Grade.
  - Norm-Referenced data suggests that the student is on a 1st Grade level.
  - If this student were to grow approximately 1 year (Green in PVAAS) in each of the next three grade levels, the student would be finishing the 6th Grade on a 4th Grade level.
  - To completely close this student's achievement gap in this same time span, this student would need the next three years' average growth to be over a full year and a half, on average, per year.
  - If a student is on grade level and gains a full year's worth of growth consistently, that student would always score Proficient or Advanced.

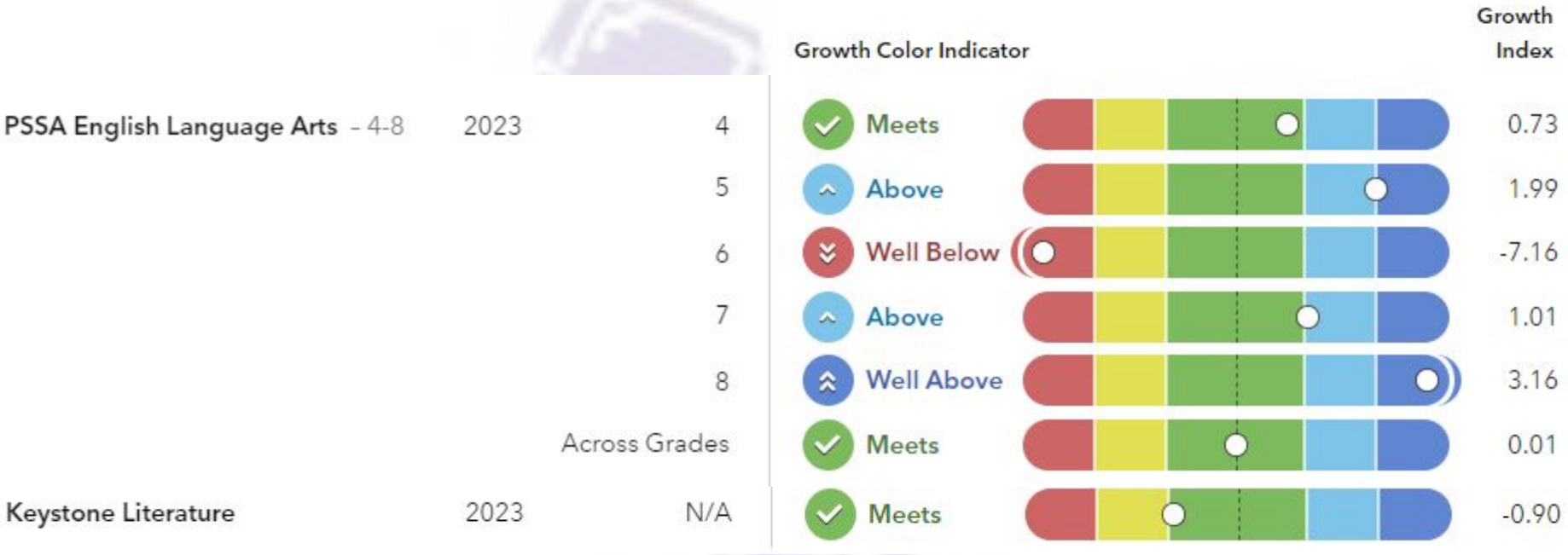
- Essentially, consistent growth, or lack thereof, leads to predictable achievement.

PVAAS Growth Scores

PVAAS provides a detailed analysis of each student's previous year of growth as well as teacher-specific, grade-level specific and school specific growth through scores that fall under labeled categories.

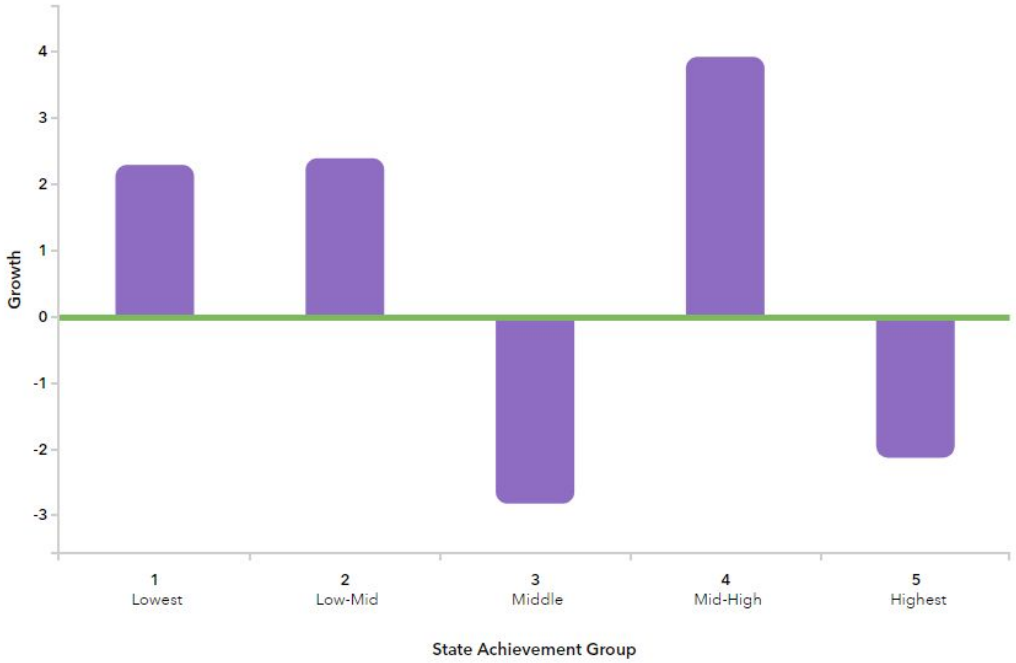


Overview of PVAAS Scores-ELA



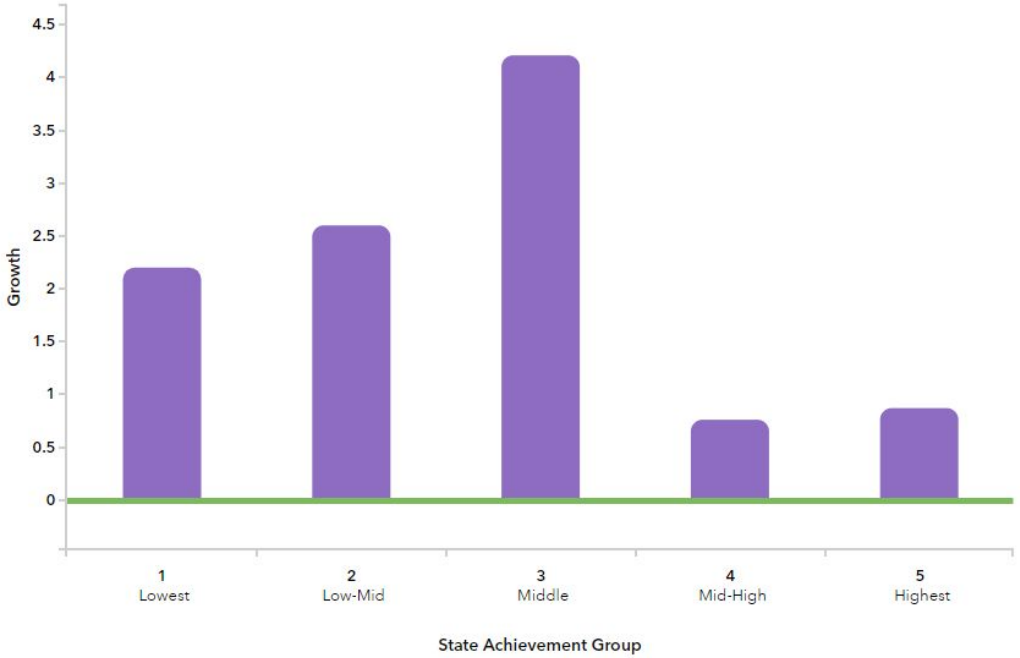
Diagnostics: ELA Grade 4

Growth by Achievement Groups



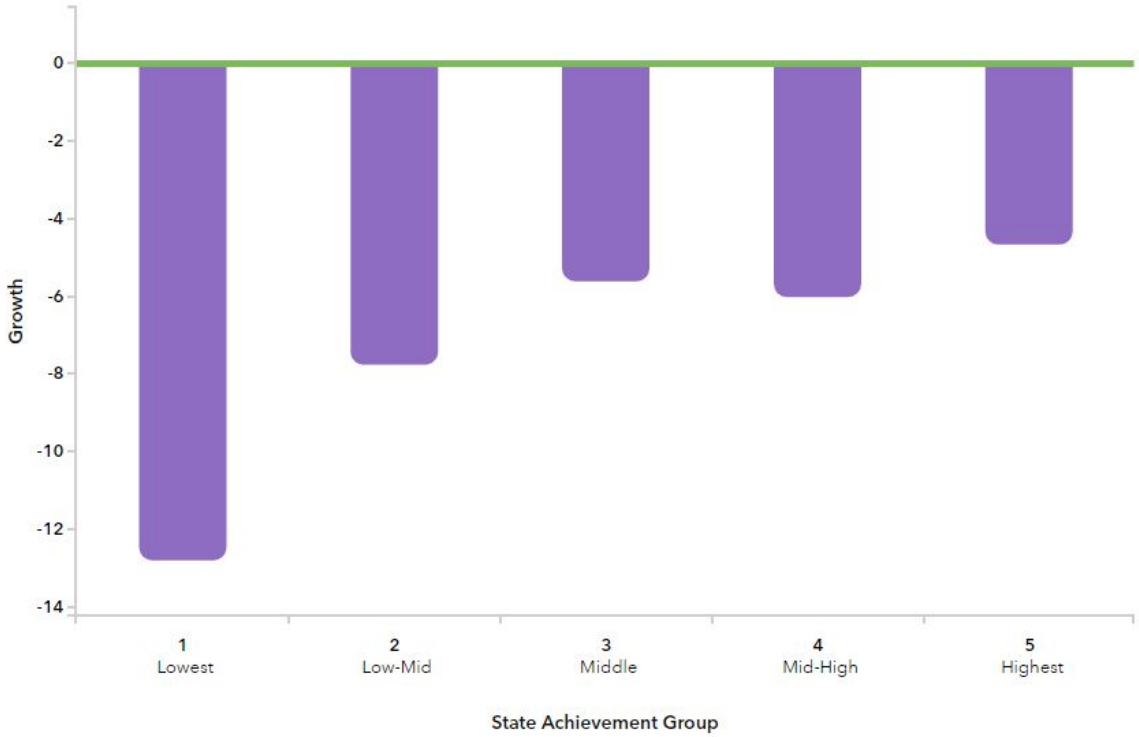
Diagnostics: ELA Grade 5

Growth by Achievement Groups



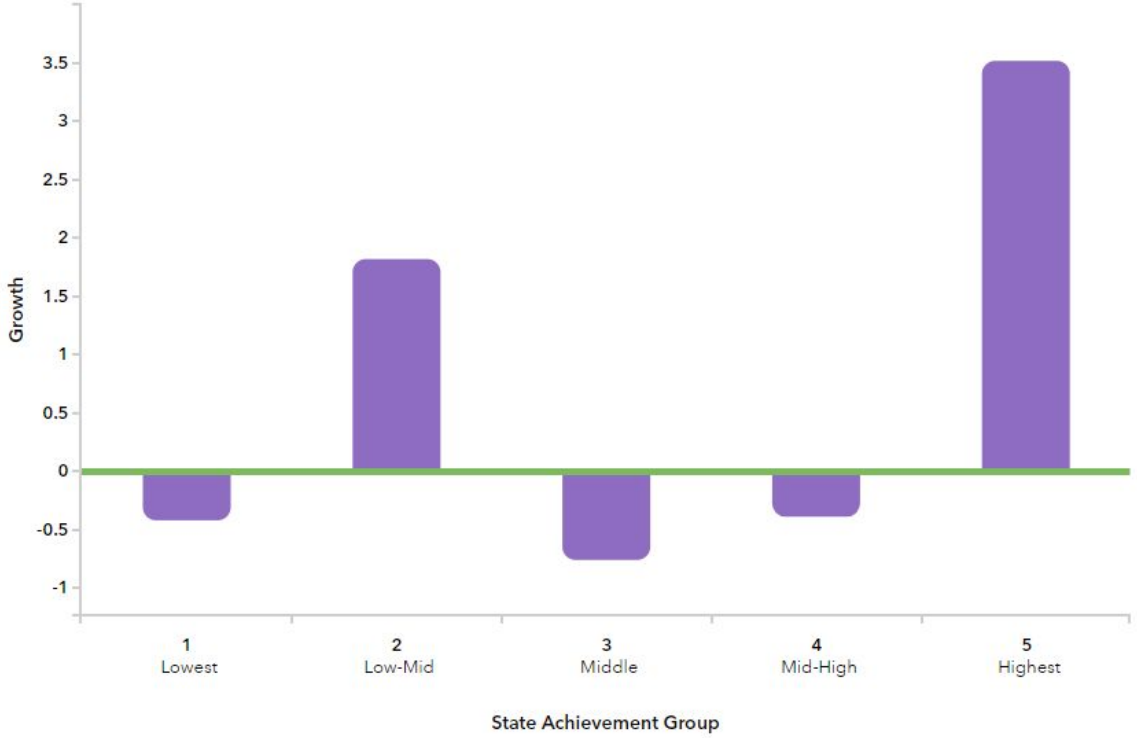
Diagnostics: ELA Grade 6

Growth by Achievement Groups



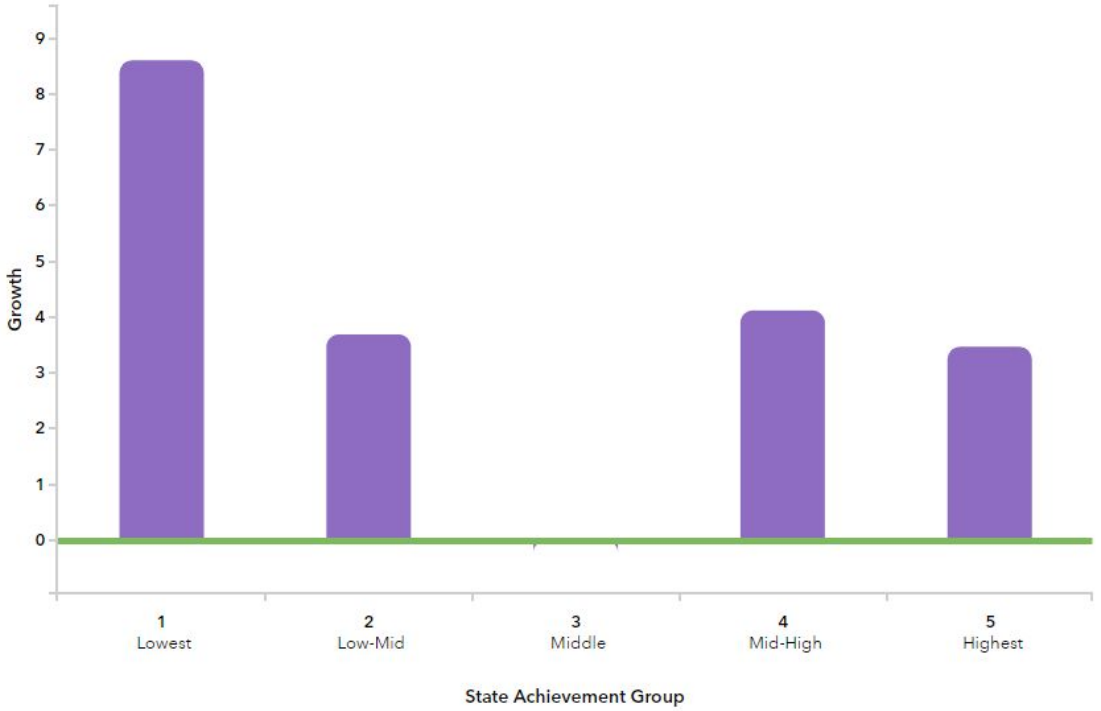
Diagnostics: ELA Grade 7

Growth by Achievement Groups

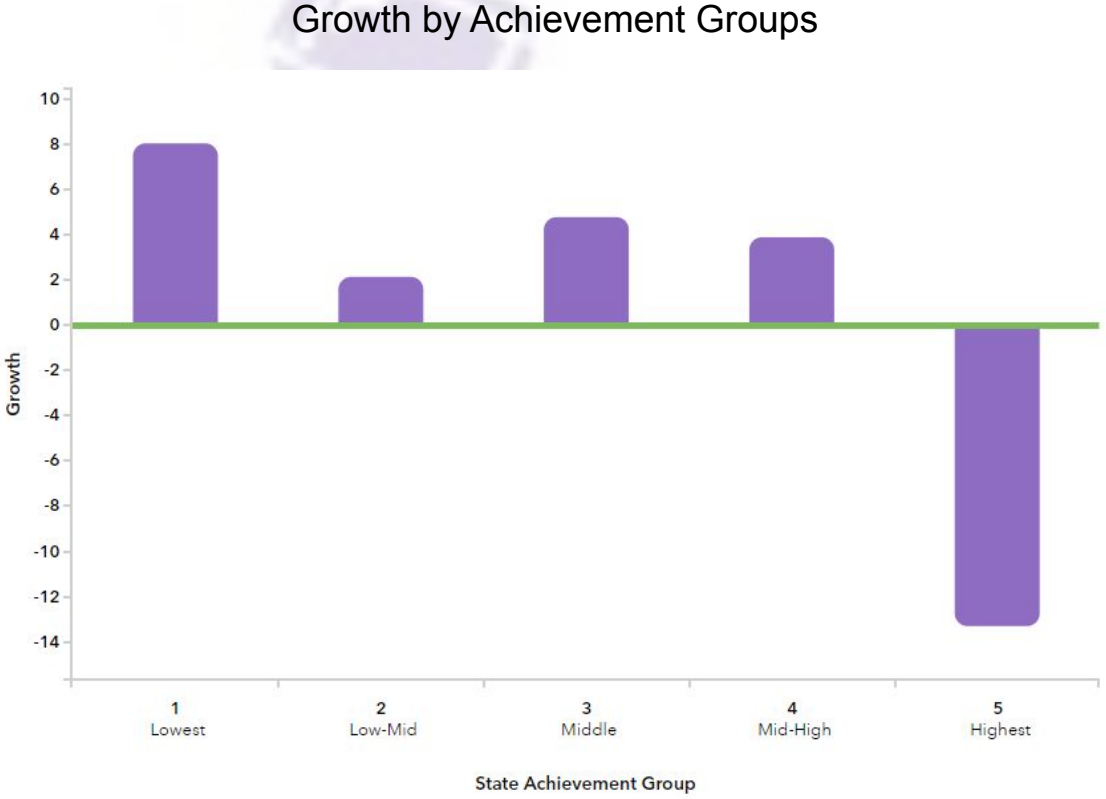


Diagnostics: ELA Grade 8

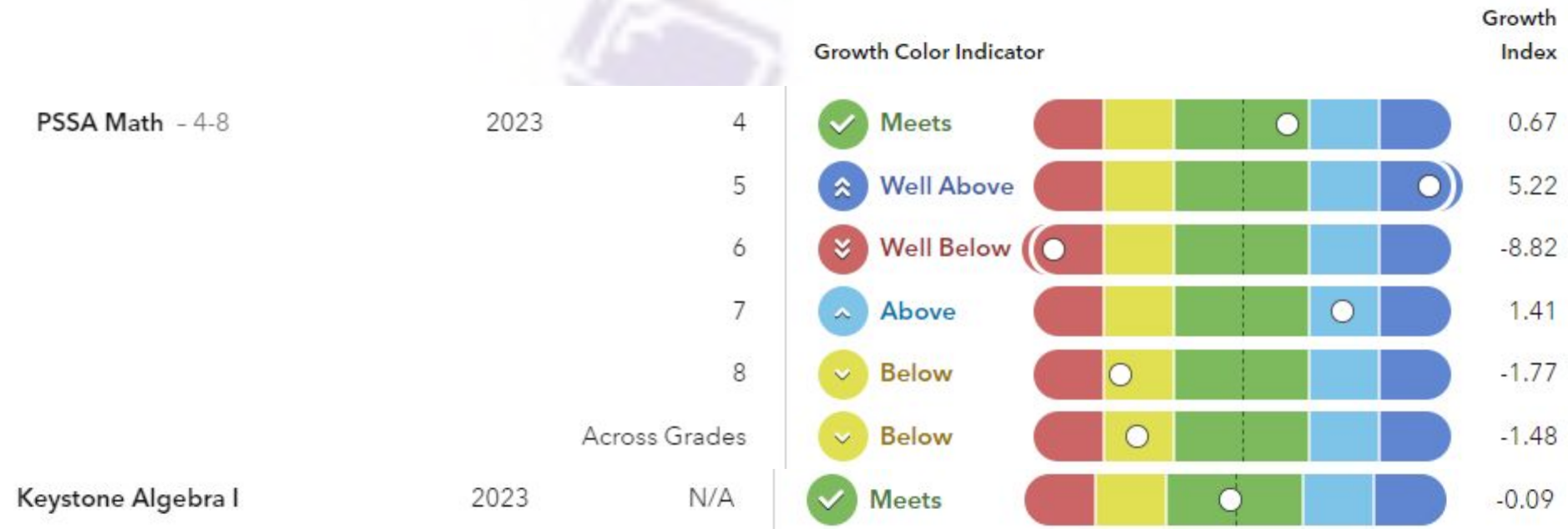
Growth by Achievement Groups



Diagnostics: Keystone Literature

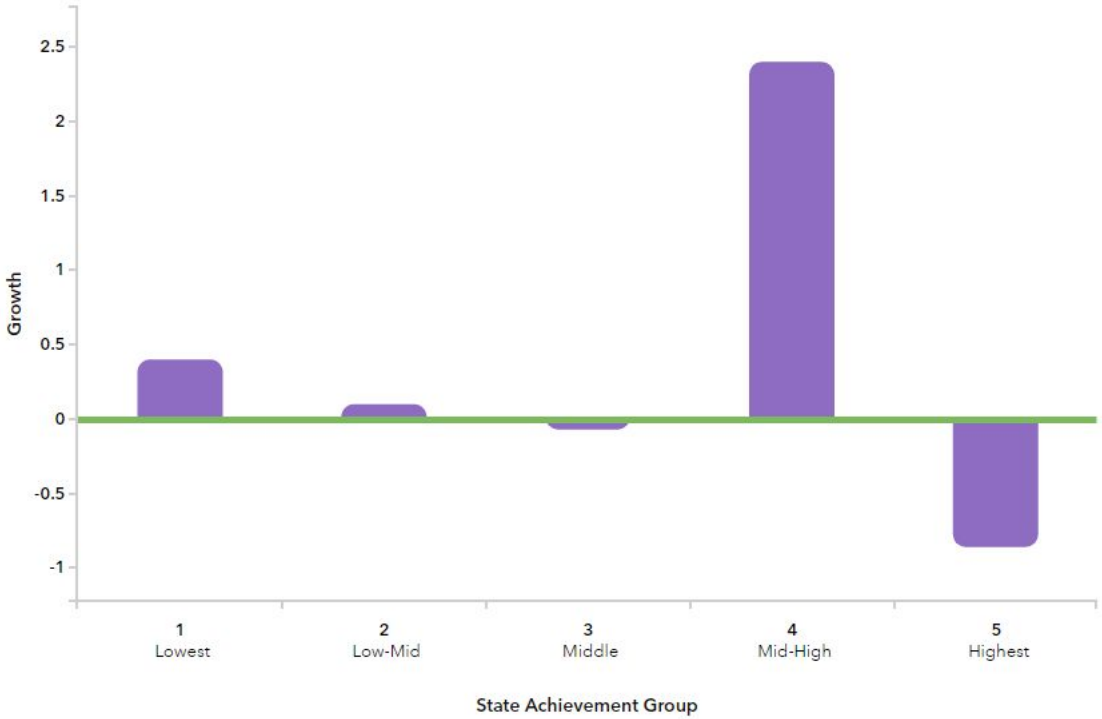


Overview of PVAAS Scores-Math



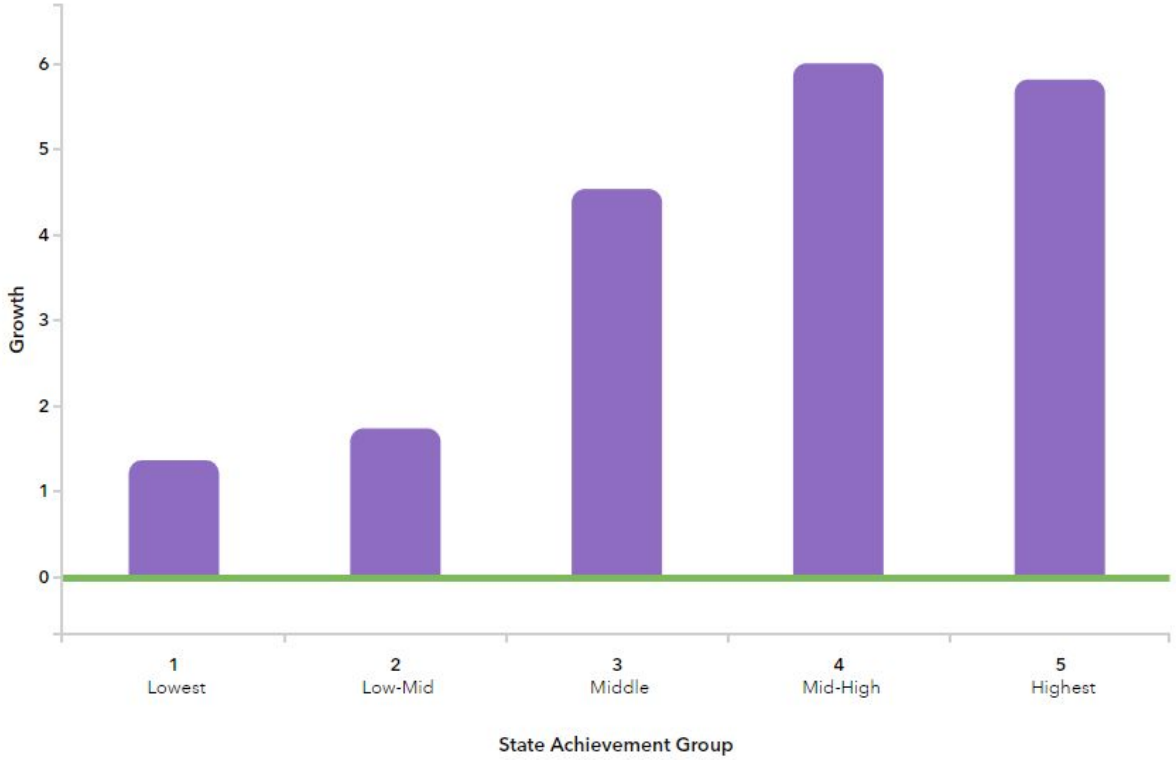
Diagnostics: Math Grade 4

Growth by Achievement Groups



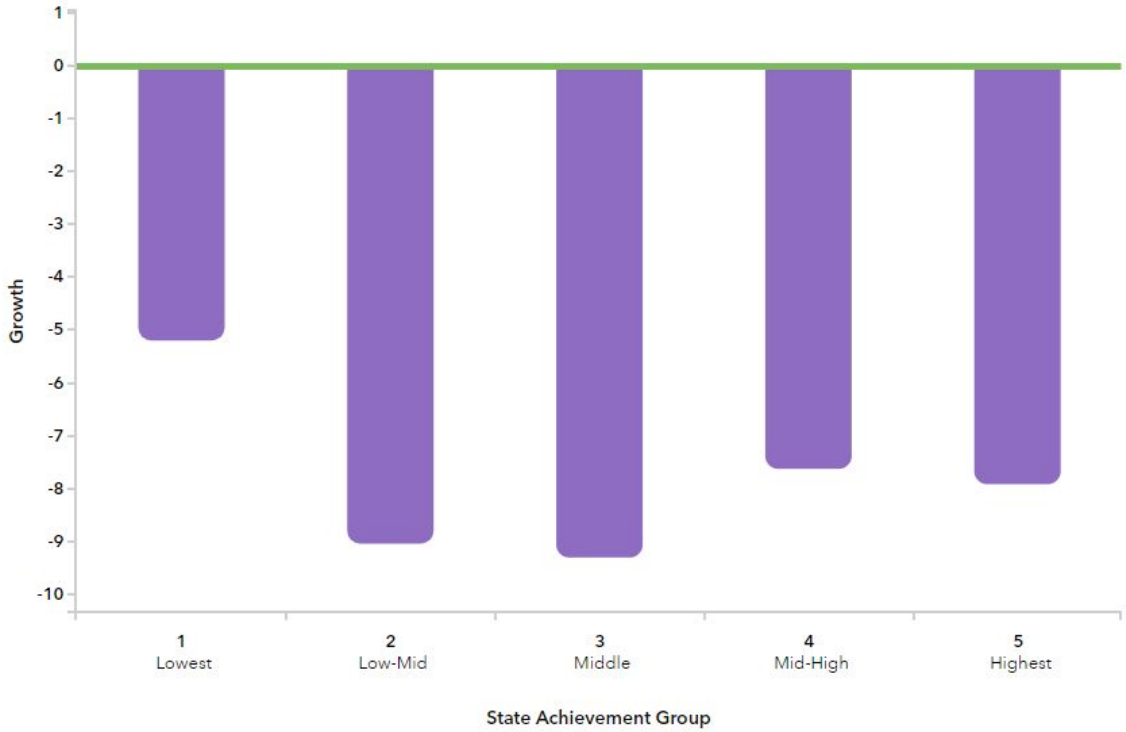
Diagnostics: Math Grade 5

Growth by Achievement Groups



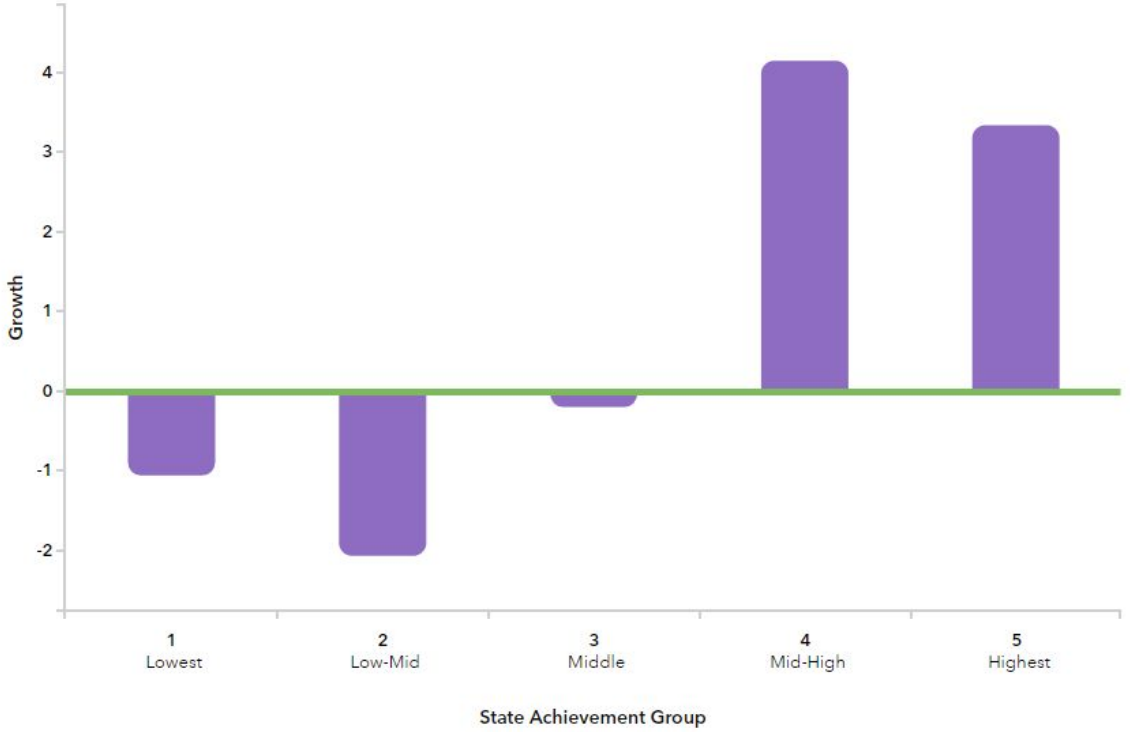
Diagnostics: Math Grade 6

Growth by Achievement Groups



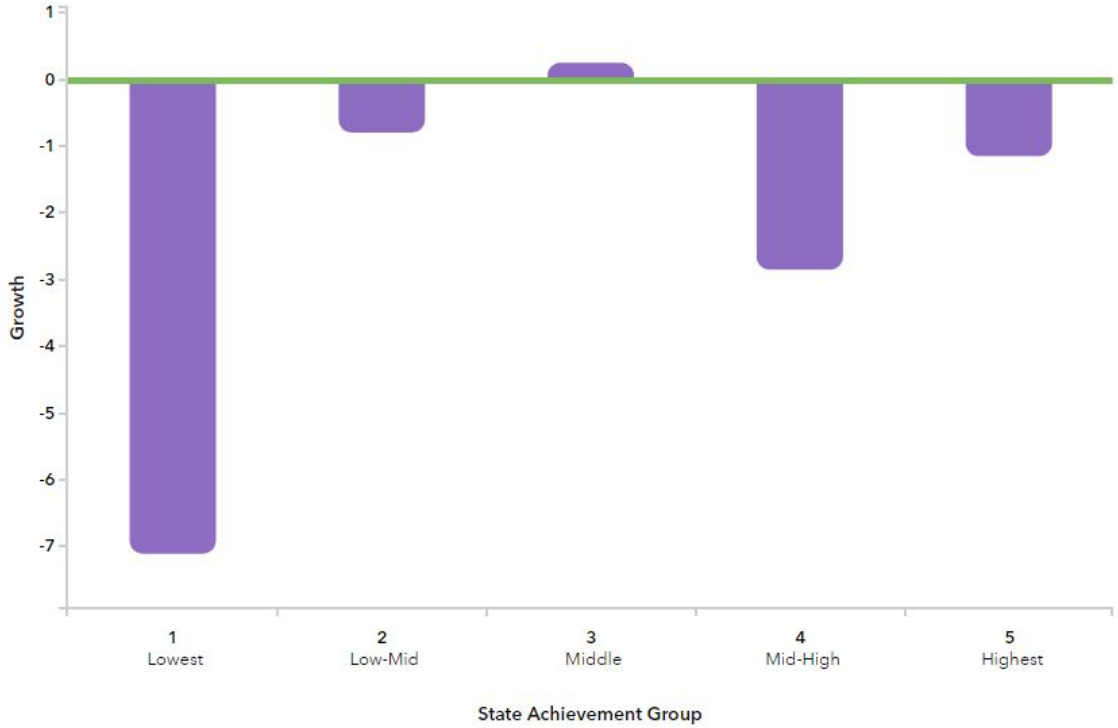
Diagnostics: Math Grade 7

Growth by Achievement Groups



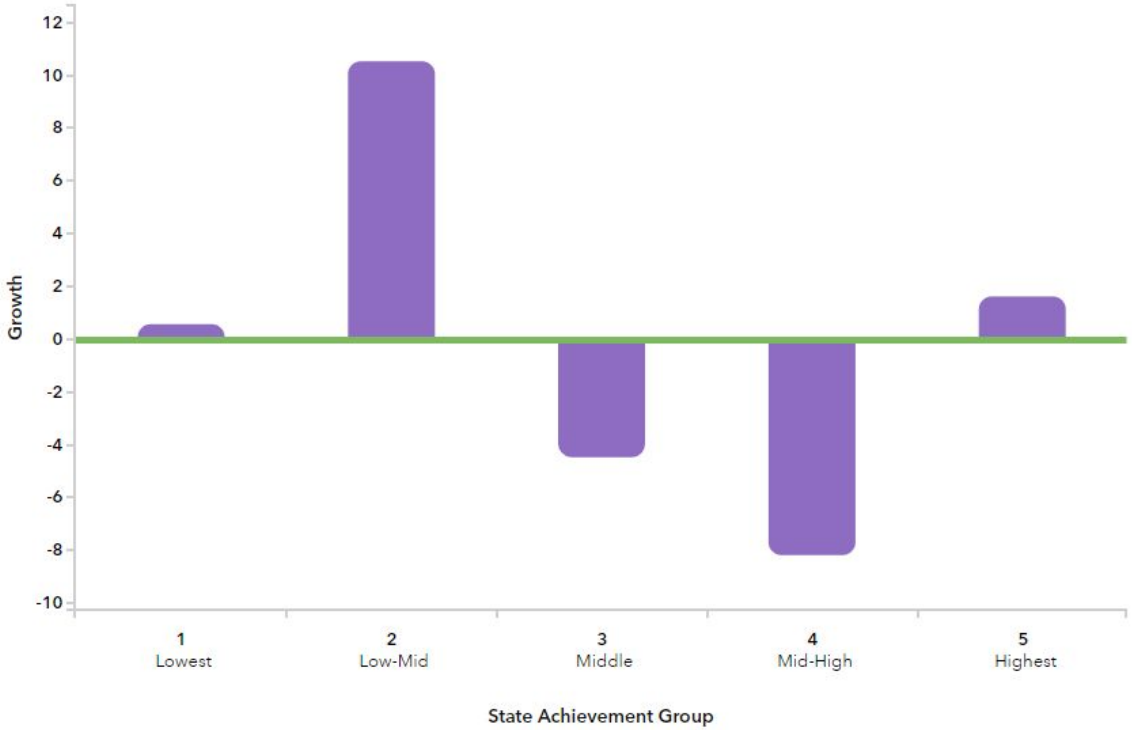
Diagnostics: Math Grade 8

Growth by Achievement Groups



Diagnostics: Keystone Algebra

Growth by Achievement Groups



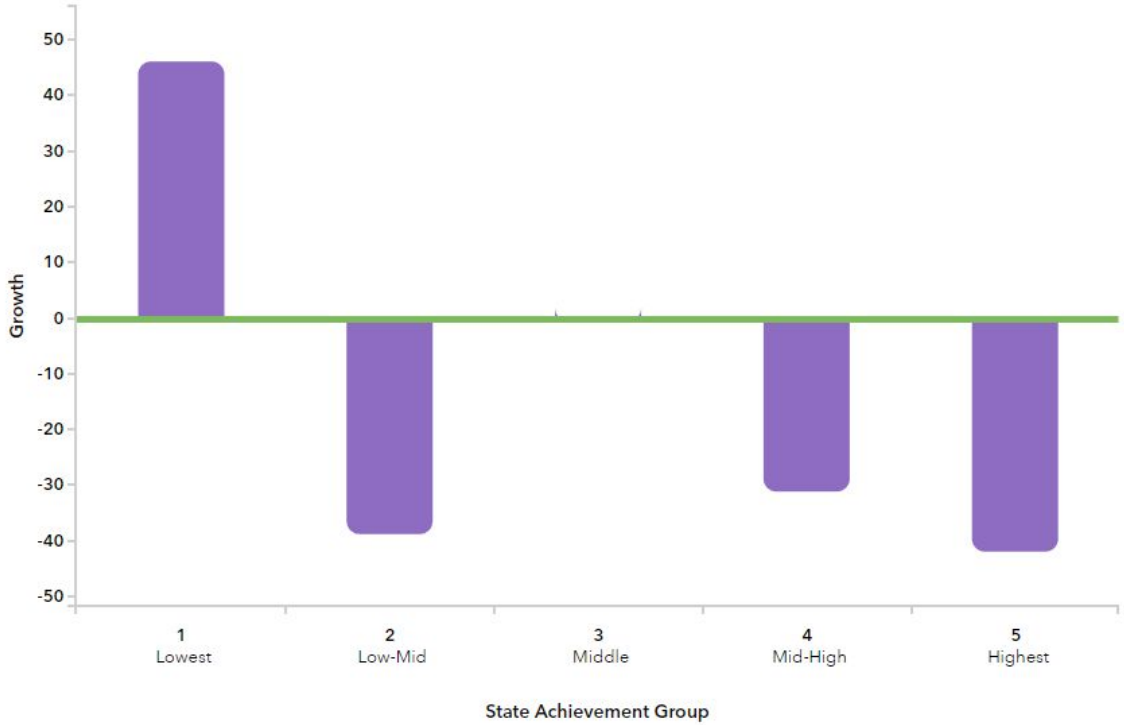
Overview of PVAAS Scores-Science

			Growth Color Indicator	Growth Index
PSSA Science - 4,8	2023	4	Well Below	-2.18
		8	Above	1.46
Keystone Biology	2023	N/A	Above	1.04



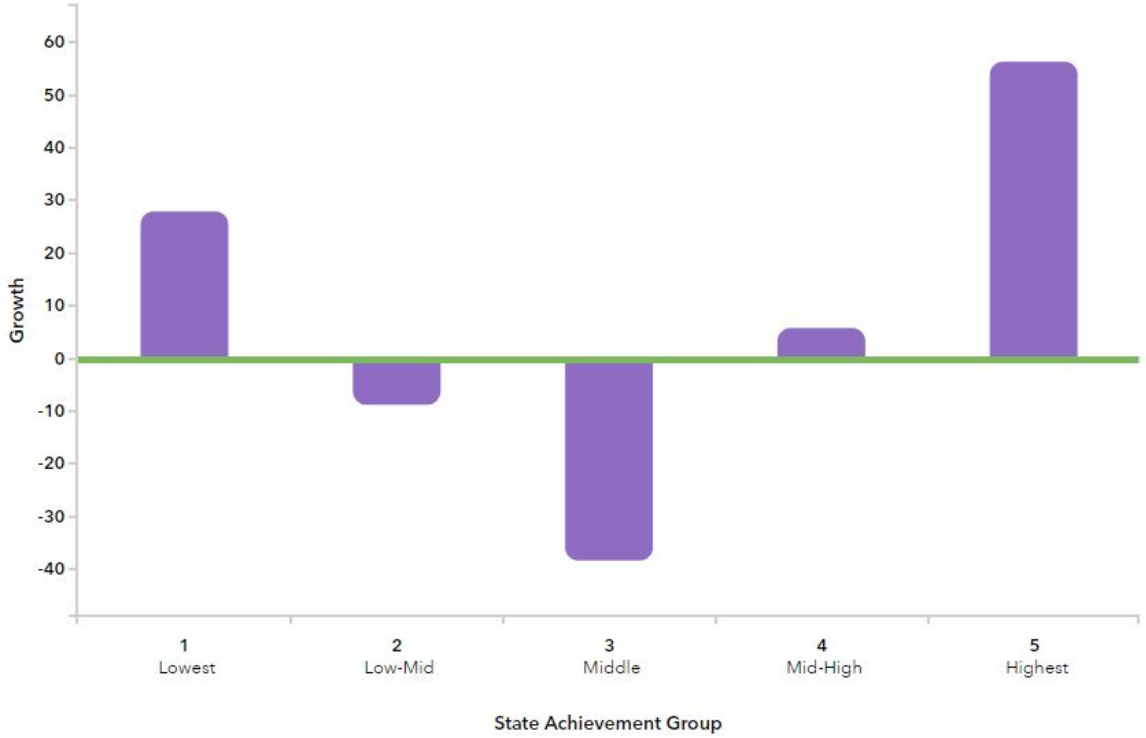
Diagnostics: Science Grade 4

Growth by Achievement Groups



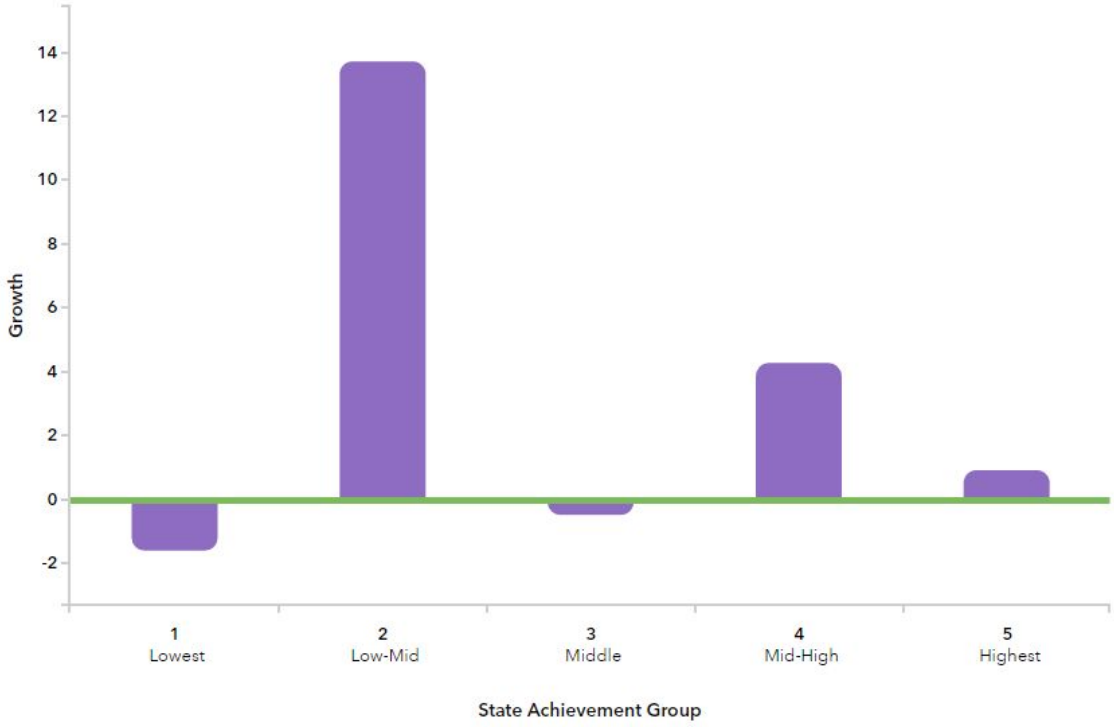
Diagnostics: Science Grade 8

Growth by Achievement Groups



Diagnostics: Keystone Biology

Growth by Achievement Groups

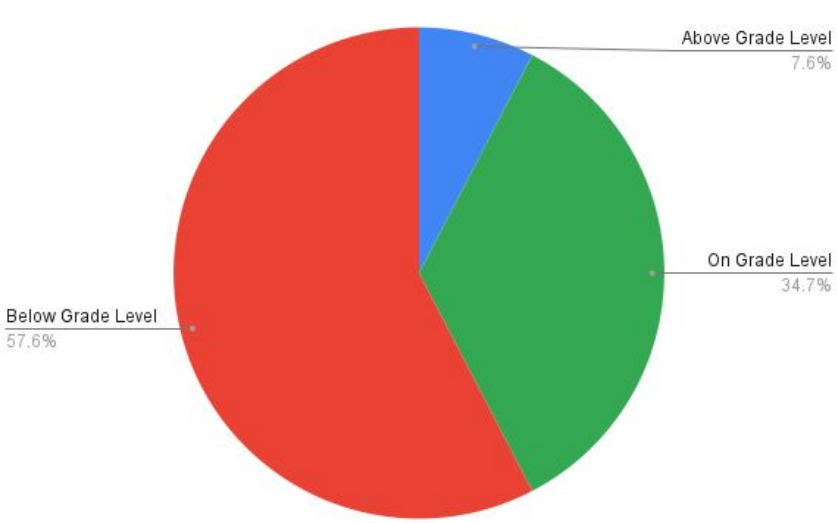


Gap in Looking at PVAAS to Understand Achievement Scores

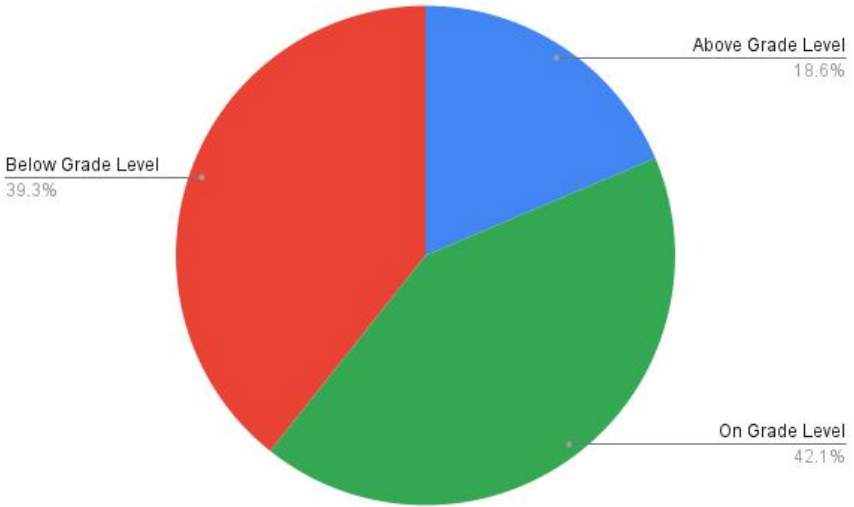
- The gap that remains in the utilization of PVAAS to understand achievement scores rests in the ability to consider growth related to 3rd Grade PSSAs because 3rd Grade is the first state-tested grade.
- Classroom Diagnostic Tests (CDTs) are now being used across grades 3-8.
- CDTs are aligned to the PSSAs and are available for Reading, Math, Science and Keystone Exam subjects.
- CDTs provide a scale score with standardized scores to apply beginning-of-year results in 3rd Grade to determine students' beginning grade-level placements.

3rd Grade Beginning-of-Year CDT Results

3rd Grade Math



3rd Grade Reading



3rd Grade Beginning-of-Year CDT Results

- Nearly 40% of our 3rd Grade Students are beginning the year below grade level in Reading
- Nearly 60% of our 3rd Grade Students are beginning the year below grade level in Math
- At the end of 3rd Grade, all students will take PSSAs in both ELA and Math on grade level

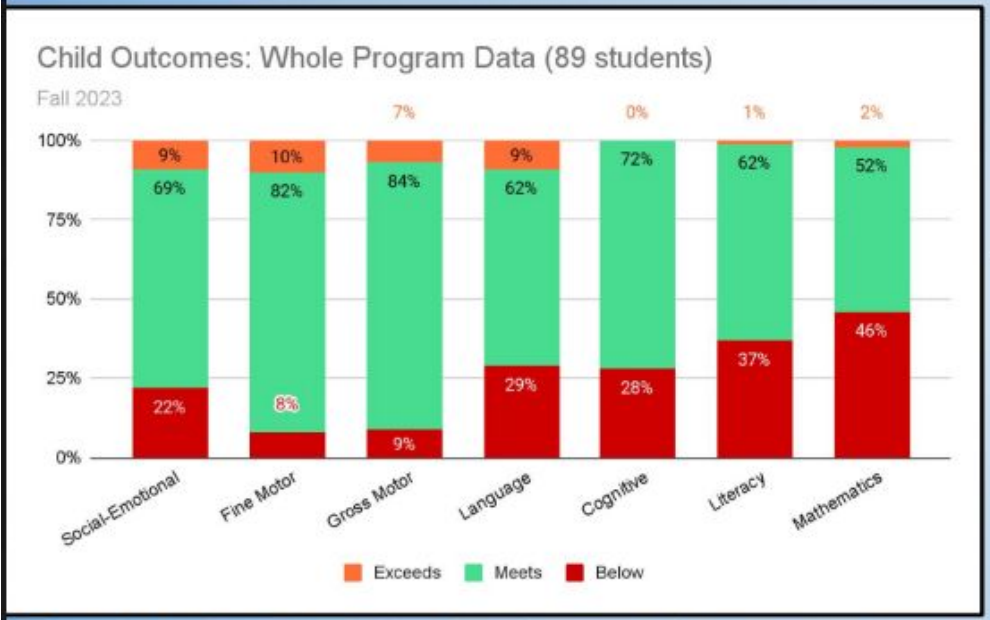


Administrator Reports

Danville Head Start Pre-K

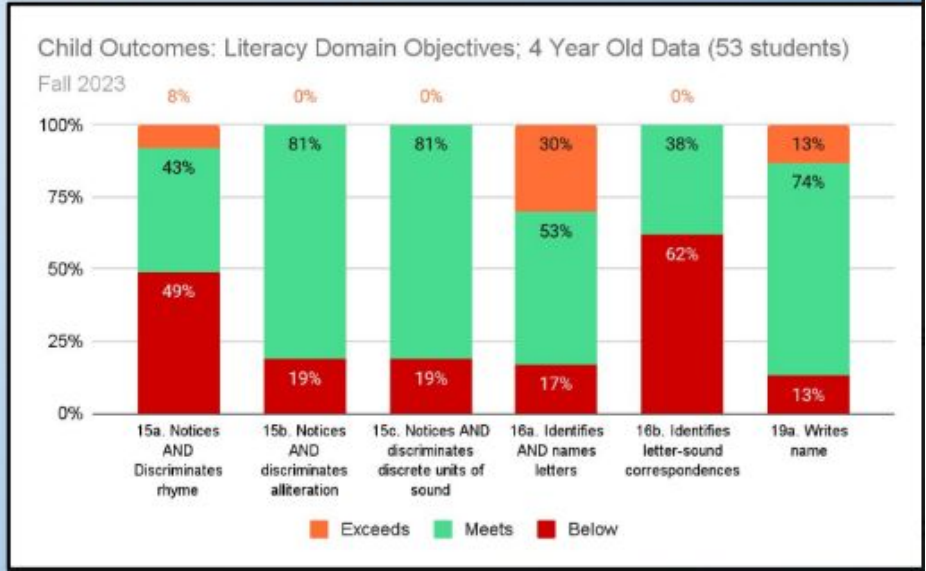
"Education Children, Empowering Families"





The data above includes developmental assessment during the first 35 days of the 2023-2024 school year for all enrolled children, including ages 3-4 years old, dual-language learners, advanced learners and children with disabilities.

Danville Head Start Pre-K's School Readiness focus for the 2023-2024 school year will be to implement and evaluate research-based, early literacy education to support students' seamless transition into DASD Kindergarten.



Technology Update 11/13/23

Jeffrey Ryan - Director of Information Technology

Performance - Proactive NOT reactive

- Network (October 2023)
  - Uptime steady at 99.999% - 708,816 polls with only 5 lost (based on 100 monitored critical devices monitored 24/7)
  - Average LAN latency (speed) .045 milliseconds slower than last year at this time (most likely due to large increase of internal traffic). Internet latency is ultimately out of our hands but it remains stable.
  - 80-90,000 Internet sessions per minute, 3300-3400 devices connected to the Internet, and 2500+ potential users on at any given time
  - Daily use (school hours only) of the Internet at 700+GB (equivalent of 50 - 2 hour 4k movies). Up 45% since pre-COVID numbers.
  - Wireless (HS and MS) - Average of 1050 clients, .50 sec connect time (under 5 sec is good), and 46dB average signal quality (anything over 27dB is good)
- Website (October 2023)
  - 40,265 views (130,000+ since launch) and 7,056 total users - Slightly down from last month but up drastically over last year.
  - 32.61% bounce rate (anything under 40% is good)
  - 3 minute 28 second average session duration (anything 2-4 minutes is considered very good)
  - 51.7% of traffic is cell phones and top source is Google (3,140 search clicks)
  - Most popular page and search term is the Calendar(s)
- Open help desk calls
  - 15 calls open (9 new and 6 WIP)

Ongoing Projects...

- New core switch configuration and install (purchased with PCCD grant)
  - 10x the capacity and 21% faster latency than the old switch
  - Newer cameras alone use 24 times more bandwidth then the ones we are replacing (36 replaced so far with a potential total of 273 (and climbing))
  - Replaced core switch repurposed as a IDF switch to replace an older unit (units are always repurposed if possible)
- 2 newer refurbished IDF switch configurations and installs (purchased with PCCD grant)
  - 2x the capacity and 6% faster latency than the old switches
  - Includes the repurposing of current switches into new locations
- 3 new NVRs configuration and install (purchased with PCCD grant - PS, HS3, and MS2)
  - Marks the end of the DVTel/Flir system which means huge cost savings while allowing us to go to 4k and greater cameras
- Time clock system for custodial/maintenance
  - 5 new cable runs plus PC/Server and time system configuration
- Security
  - Network separated on 5 vlans (virtual networks - DMZ, Admin, Staff, Student, and Guest) which allows network segregation and granular security (good example is the Guest/Student networks do not have access to anything but the internet)
  - 2 factor authentication on Google with many apps tied to Google SSO (growing to allow simplification and security)
  - Shared Drive folder and Google Drive sharing security improvements
- Website
  - Ongoing additions and improvements
- Data Dashboards
  - Student data dashboards (attendance and discipline) for administrators
  - Website data dashboard
  - Network dashboard
- Camera replacement
  - Out of service Meraki cameras being replaced by 4 Megapixel cameras
  - Annual replacement of old low resolution cameras being replaced by 4 Megapixel cameras (exterior first)