

# Data Dashboard Project Update

## Senate Finance Subcommittee

Alaska Department of Education and Early Development

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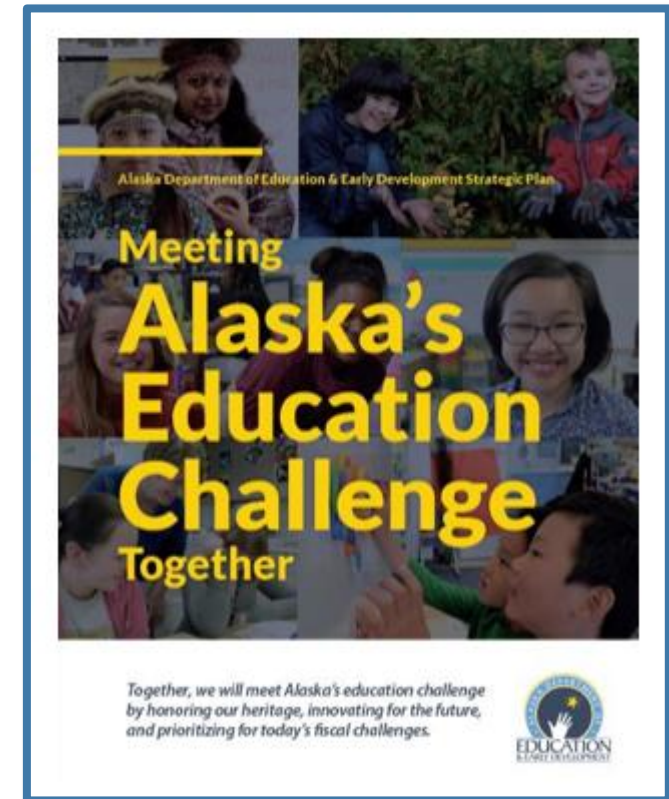
# Mission, Vision, and Purpose

Mission	Vision	Purpose
An excellent education for every student every day.	All students will succeed in their education and work, shape worthwhile and satisfying lives for themselves, exemplify the best values of society, and be effective in improving the character and quality of the world about them. - Alaska Statute 14.03.015	Department of Education and Early Development (DEED) exists to provide <b>information</b> , <b>resources</b> , and <b>leadership</b> to support an excellent education for every student every day.

# Strategic Priorities: Alaska's Education Challenge

## Five Shared Priorities:

1. Support all students to read at grade level by the end of third grade.
2. Increase career, technical, and culturally relevant education to meet student and workforce needs.
3. Close the achievement gap by ensuring equitable educational rigor and resources.
4. Prepare, attract, and retain effective education professionals.
5. Improve the safety and well-being of students through school partnerships with families, communities, and tribes.



[education.alaska.gov/akedchallenge](http://education.alaska.gov/akedchallenge)

# Agenda

- Project Scope
- What We Know
- DEED Portal & Data Collection app
- Data Dashboards Demonstration
- DEED IT Work Group
- Fiscal Overview
- Impact on Sustainability and Delivery
- What's Next?

# Project Scope

Project Scope	Implementation Factors	What It Takes to Deliver
<b>Transparency:</b> Statewide visibility into student outcomes, funding, and workforce trends	Clear separation of public vs protected data (Family Education Rights and Privacy Act or FERPA compliance)	Integrated data warehouse with clean, reliable datasets
<b>Predictive:</b> Insight to guide policy, resource allocation, and interventions	Requires longitudinal, connected data across systems	Consistent data definitions across districts, program, and educational domain
<b>Ad-Hoc Reports:</b> Builds on a fully integrated statewide data system	Dependent on establishing consistent, validated data across all sources	Foundational work currently focused on public-facing transparency dashboards

# What we know...

1. Alaska's education data environment is locally controlled, requiring coordination across 53 school districts

2. Dashboarding requires migration of disparate datasets into a central, "aligned" warehouse

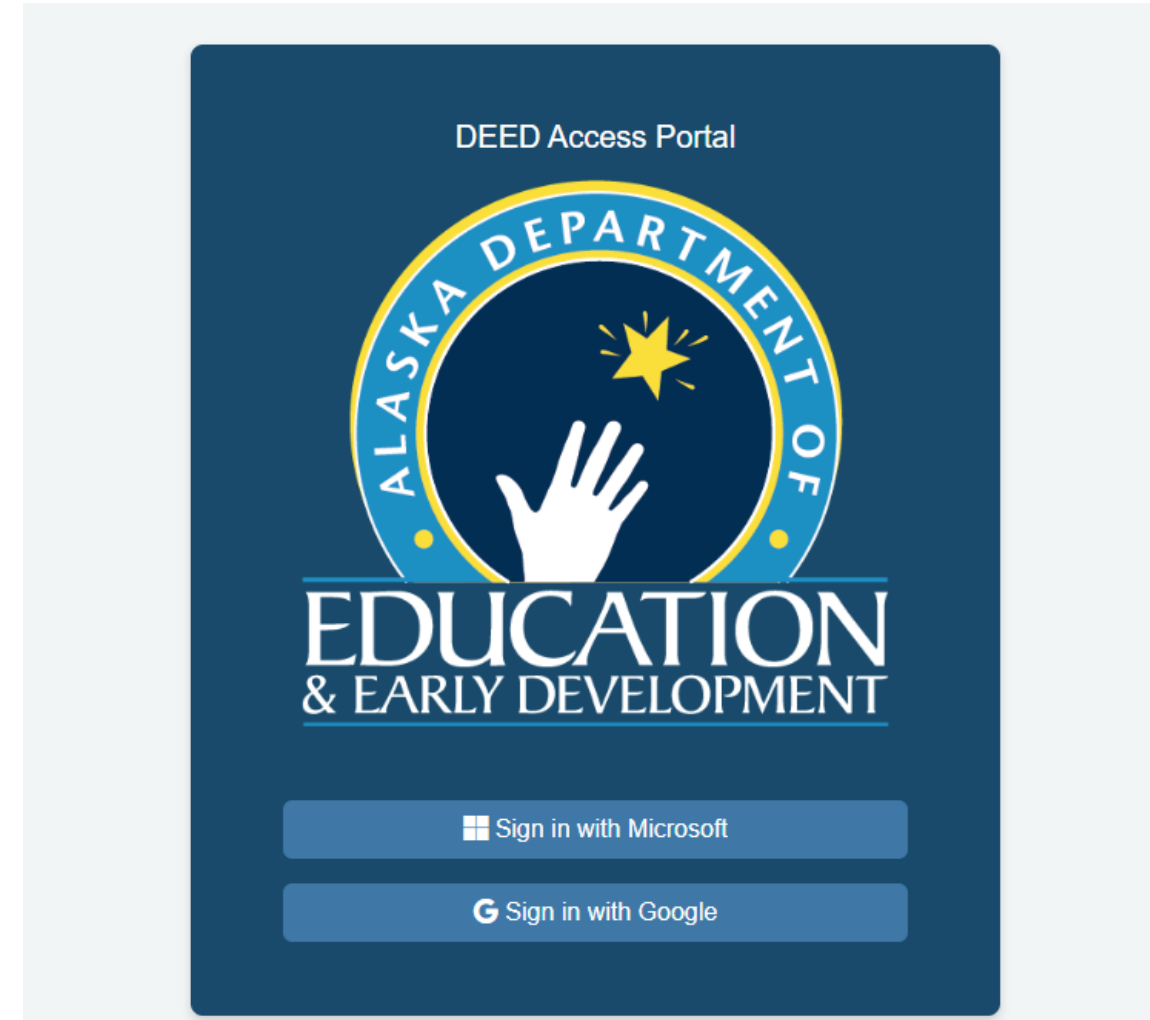
3. Data expectations are evolving, including increased use of predictive analytics and emerging technologies (AI)

4. Existing, manual spreadsheet-based processes can not scale with demand

5. Building and maintaining a statewide system requires ongoing investment in sustainability, governance, and infrastructure

# DEED Portal & Data Collection app

- Launched for Districts; to be used for this spring's Suspensions & Expulsions data collection
- A single platform for districts to submit and access their data
- A validation engine to automatically validate and help ensure data fidelity
- Increased security and reduced complexity





# User Access

Home / [Dashboard](#)

## User Access

Granted Access

27

Requesting Access

4

## Active Resources ?

### Data Collection

Data Collection  
Web Application

[View](#) | [Edit](#)

### District Dashboards

Student-level Assessment  
Dashboards

[View](#) | [Edit \(coming soon\)](#)

### Secure Pickup

Reports and district files

[View](#) | [Edit \(coming soon\)](#)

### Validation Engine

Validate student data files  
for Alaska StudentID and  
other elements

[View](#) | [Edit \(coming soon\)](#)





# Data Collection

Select the collection you want to manage below.

Suspensions & Expulsions ▾

## Collection Status


The window for the **2025-2026 collection** opens on 03/22/2026 and closes on 06/30/2026.

**Your Collection Status:** Not Started

You haven't uploaded any data yet. To begin, upload your CSV file for this collection.

## Resources

 [CSV Header Template](#)

 [Data Handbook](#)

## Upload Data File

If you have data to report, upload your CSV file using the box below.

Drag & drop CSV here or click to upload

Cancel

Upload Data

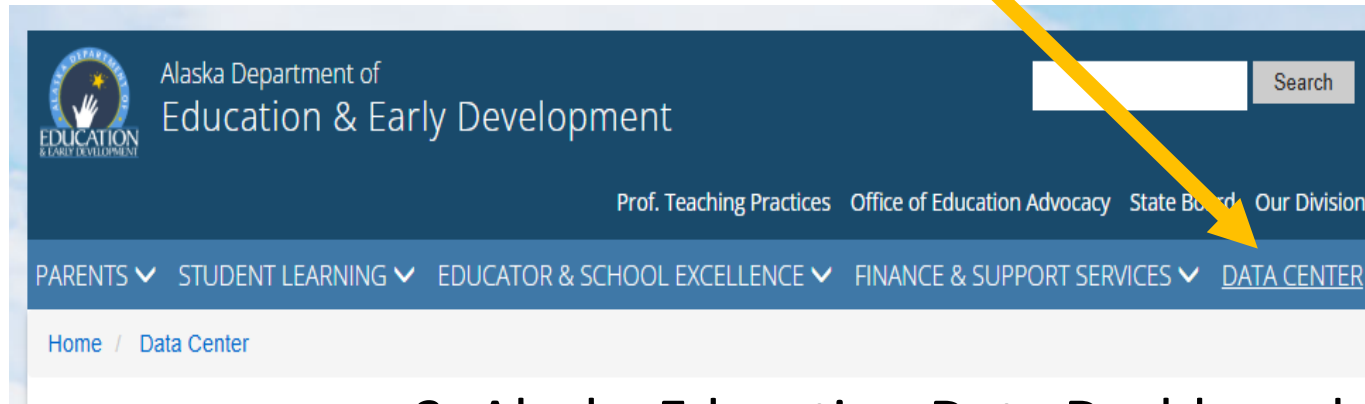
If your district has no incidents to report for this collection period, check the box below to confirm.

I certify that we have zero incidents to report for this collection.



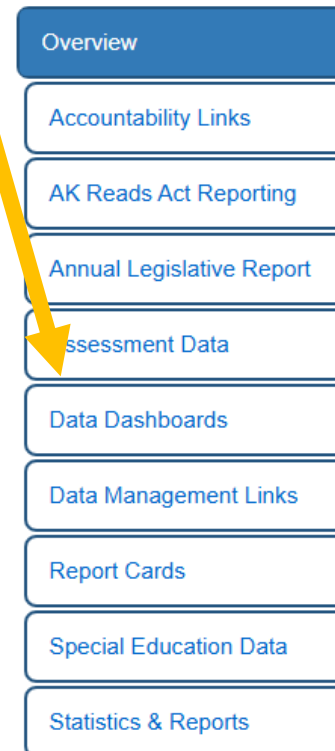
# Data Dashboard Demonstration:

1. The Department of Education and Early Development Website



2. On the Data Center Page

## Data Center

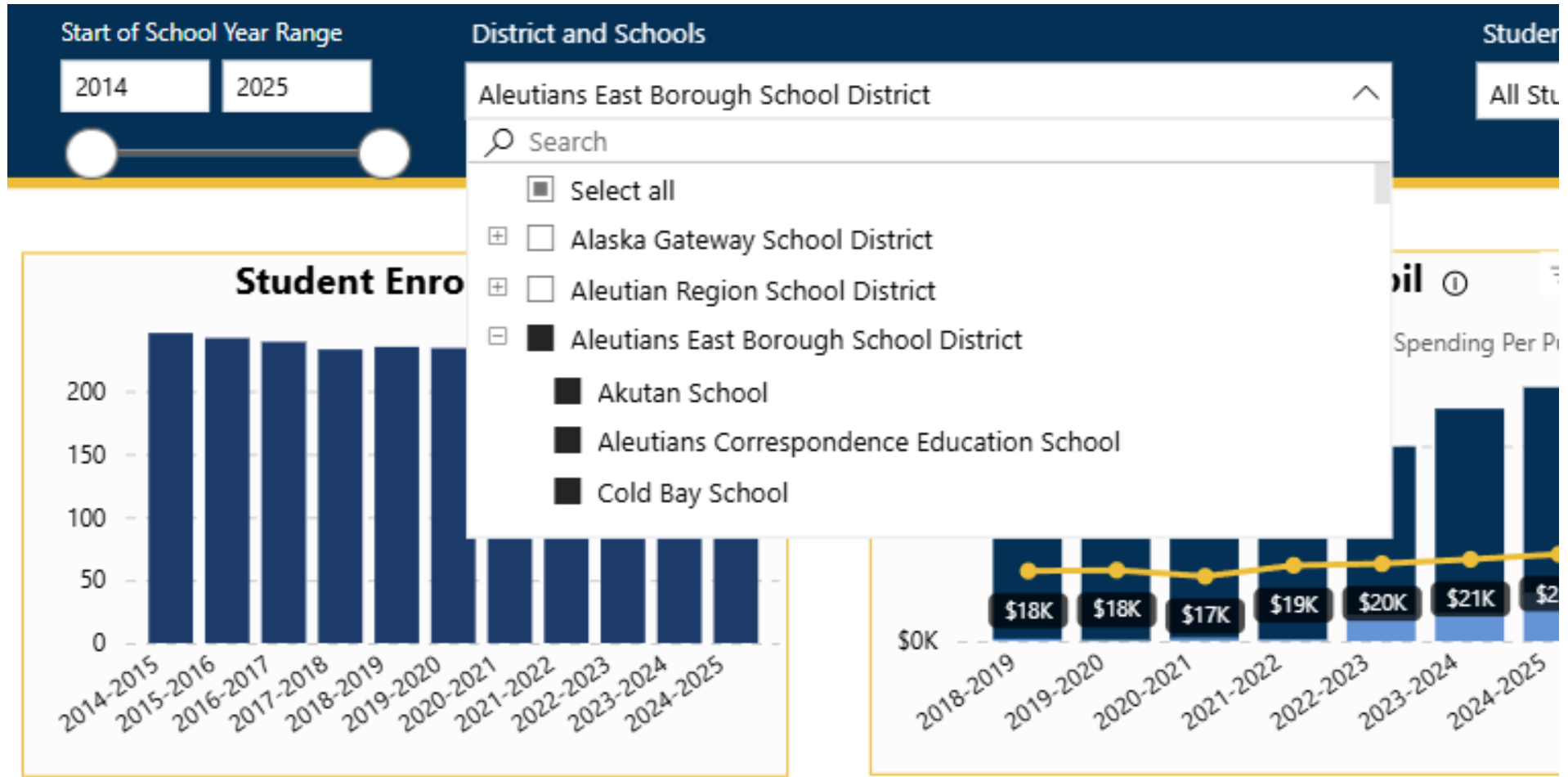


3. Alaska Education Data Dashboards Available:

- General Statewide Longitudinal
- First Day Vacancy
- State Summative Assessments
- Advanced and Proficient Comparison

<https://education.alaska.gov/data-dashboards>

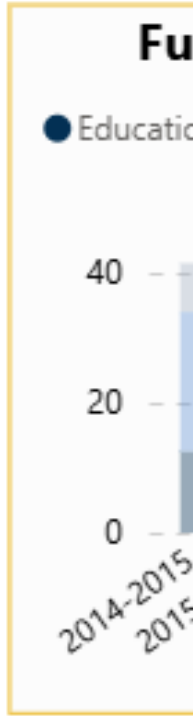
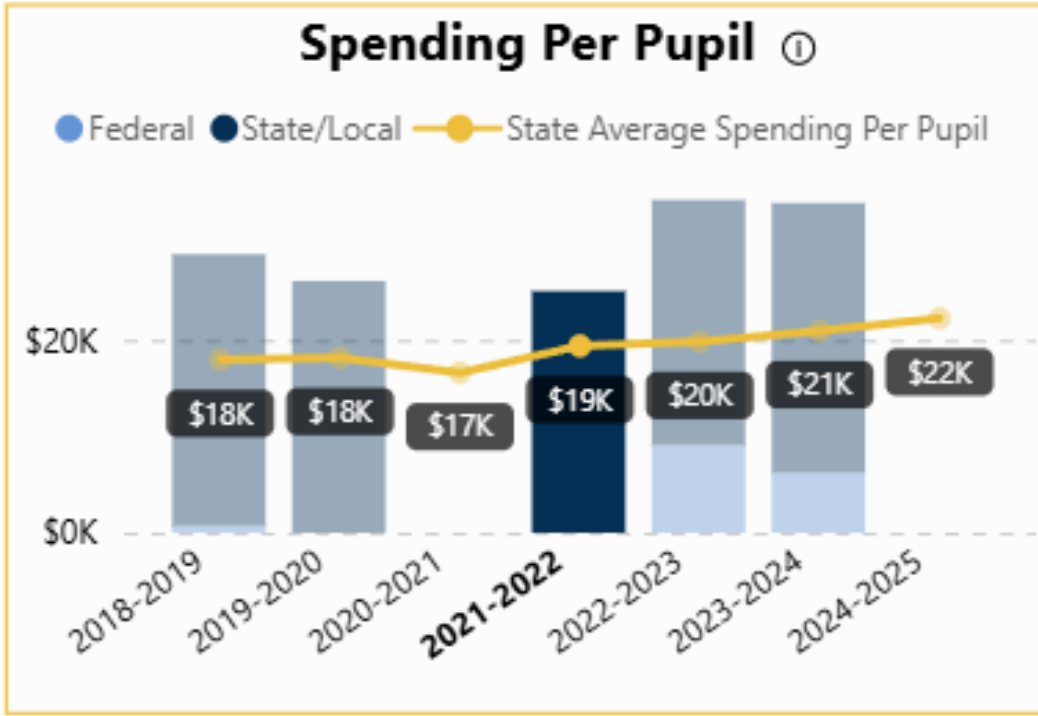
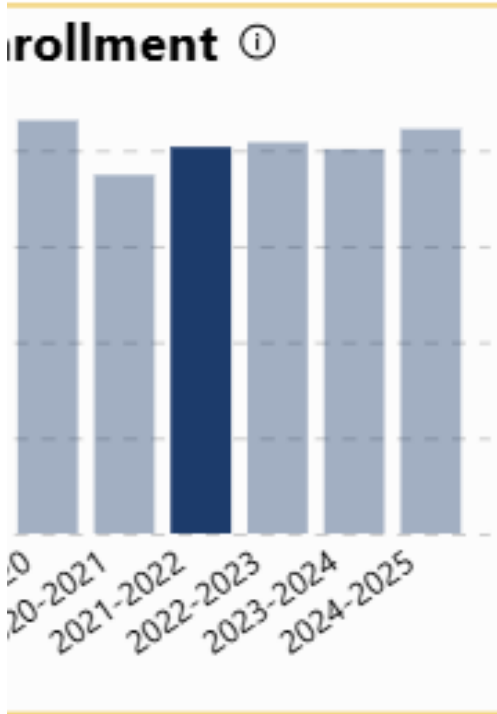
# Multi-select

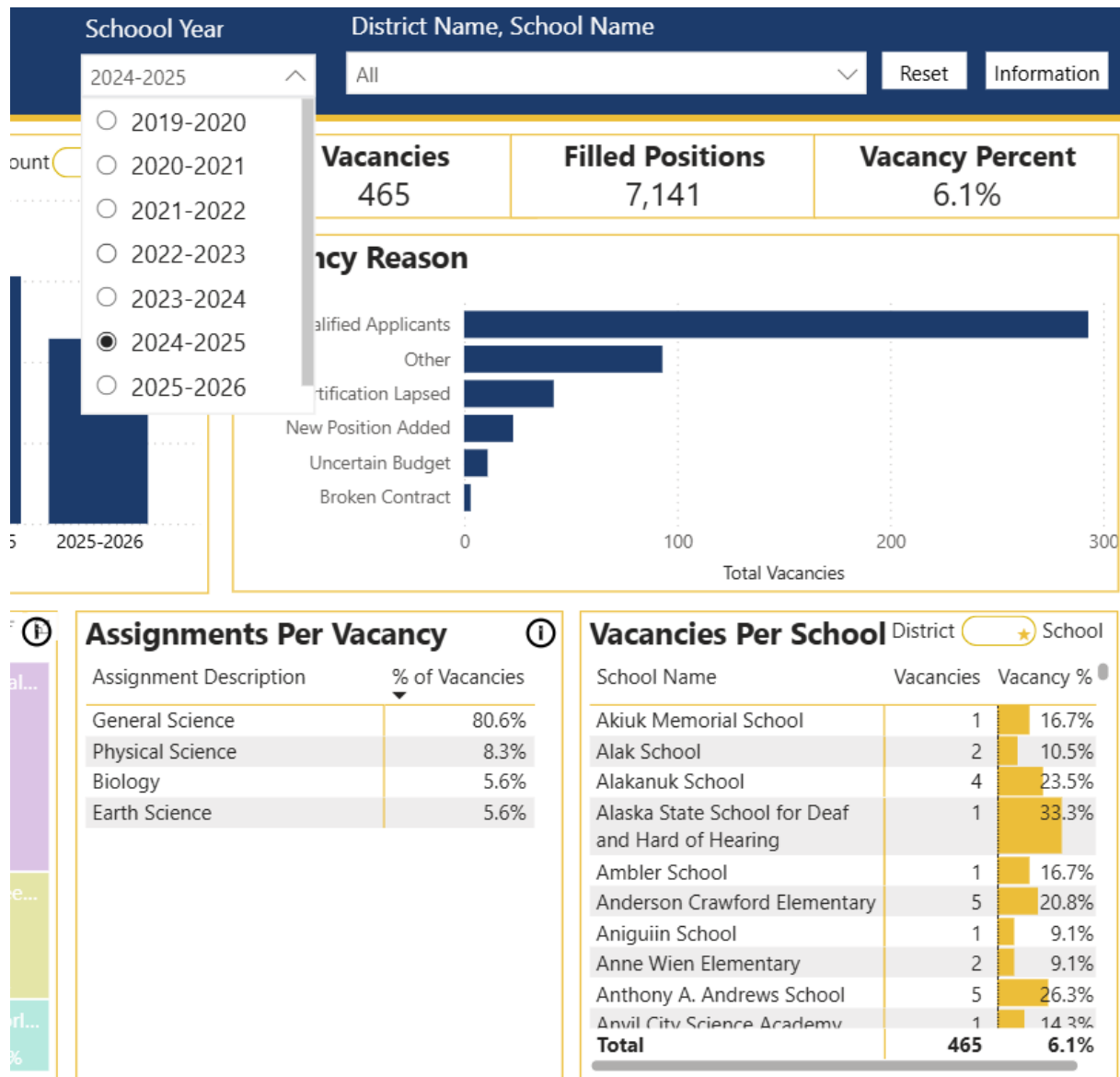


# Click to filter

**District and Schools**  
Mount Edgecumbe

**Student Demographics**  
All Students

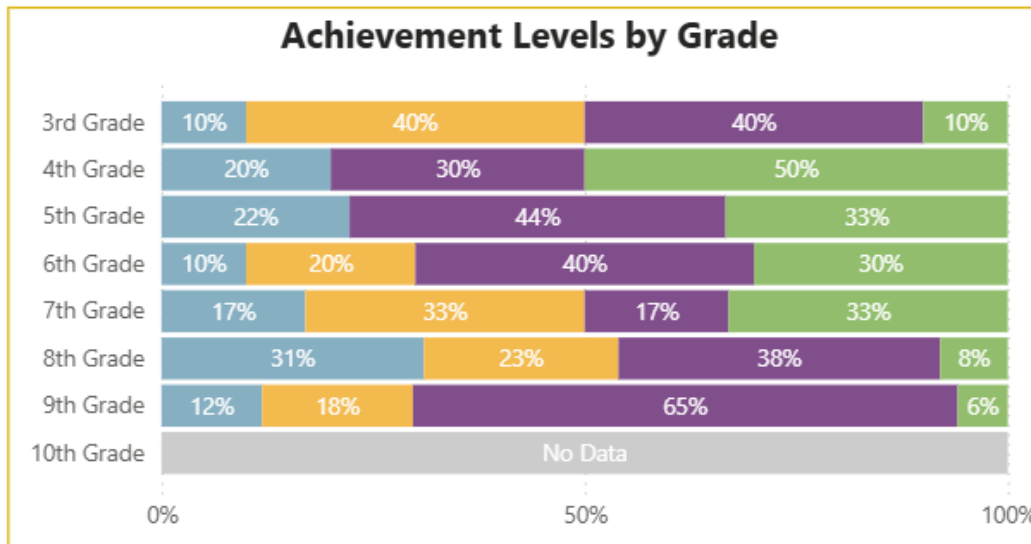
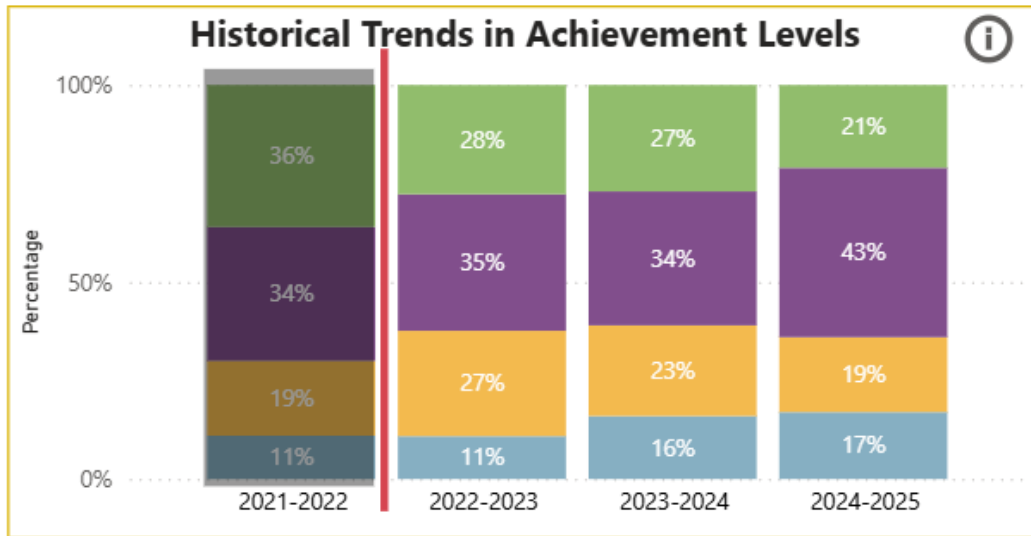
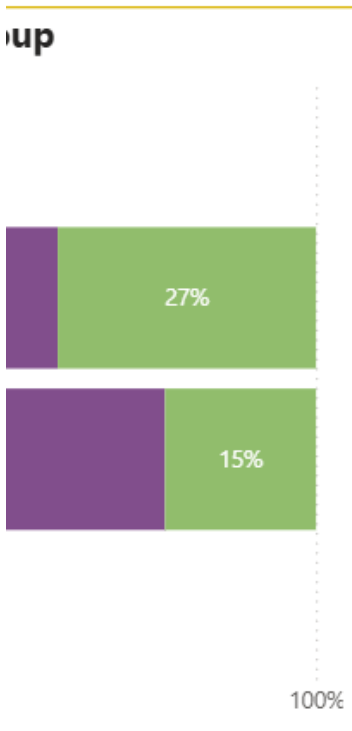
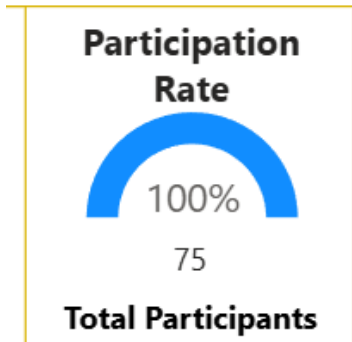




# Longitudinal

# Explore

Year: 2025 | District Name, School Name: Skagway Schools | Reset | Information



# Visualize

Select a School Year: 2024-2025 | Select an Assessment: English Language Arts | Select a District: Statewide | Reset

**A&P Change From Last Year**  
**1.2%**  
 This is the selected district's Percent Advanced and Proficient compared to last year.

**Advanced and Proficient Map**

District	A&P %	A&P Change
Mat-Su Borough	40.8%	1.8% ↑
Mount Edgecumbe	34.1%	10.2% ↑
Nenana City	35.6%	0.6% ↑
Nome Public	17.5%	-0.4% ↓
North Slope Borough	7.5%	1.2% ↑
Northwest Arctic Borough	3.4%	0.0% ↑
Petersburg Borough	41.8%	-5.3% ↓
Pribilof	28.0%	11.3% ↑
Sitka Borough	47.8%	3.3% ↑
Skagway	64.0%	3.0% ↑
Southeast Island	31.9%	-4.2% ↓
Southwest Region	2.6%	0.3% ↑
Unalaska City	34.0%	1.5% ↑
Valdez City	40.1%	-0.1% ↓
Wrangell City	46.5%	5.7% ↑
Yakutat City	26.1%	-4.3% ↓
Yukon Flats	3.8%	-0.0% ↓
Yukon-Koyukuk	27.1%	0.5% ↑

# DEED IT Working Group

## *Communicate – Listen – Collaborate – Solve*

### **Communicate**

- Division, district, and federal needs and requirements
- Clear expectations for data collection and reporting
- Alignment across programs and stakeholders

### **Solve**

- Identify redundancies across systems and processes
- Assess risks, fiscal impacts, and IT dependencies
- Streamline data systems to improve efficiency and reliability

### **Listen**

- Gather input from districts, educators, and internal teams
- Identify pain points in current data systems and reporting processes
- Incorporate stakeholder feedback into system design

### **Collaborate**

- Cross-divisional coordination to align data definitions and processes
- Partnership between IT, program areas, and leadership
- Engagement with districts to support implementation and adoption

# Fiscal Overview (Whole \$)

Fiscal Year	Total Allocated	Strategic Focus	Primary Deliverables
FY2024	\$827,279.	Analysis & Design	<ul style="list-style-type: none"> <li>• \$10,500 - staff training</li> <li>• \$354,375 - initial analysis/roadmap</li> <li>• \$462,404 - initial infrastructure build-out</li> </ul>
FY2025	\$900,000	Foundations	<ul style="list-style-type: none"> <li>• \$750,000 - initial warehouse and dashboards build-out; integrating/upgrading existing databases</li> <li>• \$42,000 - staff training and data migration support</li> <li>• \$70,000 - initial development of single sign-on portal</li> <li>• \$38,000 - Microsoft Azure hosting</li> </ul>
FY2026	\$900,000	Dashboards & Portal	<ul style="list-style-type: none"> <li>• \$853,108 - continued warehouse and dashboards build-out; integrating/upgrading existing databases and legacy applications; DEED Portal and Data Collection application build-out and launch</li> <li>• \$46,891 - Microsoft Azure hosting</li> </ul>
FY2027	\$900,000	Data Ingestions, Assessment Database, & Internal Database Work	<ul style="list-style-type: none"> <li>• \$830,000 - continued warehouse and dashboards build-out; integrating/upgrading existing databases and legacy applications; Data Collection application upgrades for four additional collections; student-level assessments database</li> <li>• \$70,000 - Microsoft Azure hosting</li> </ul>

\* All expenses paid either to contractors or Microsoft. DEED staffing costs and labor not represented.

# System Sustainability and Delivery Under Constrained Capacity

01

Constrained capacity to sustain system development and integration

02

Slower progress toward a fully integrated statewide data system

03

Increased risk to data quality, consistency, and trust

04

Continued reliance on fragmented and less efficient legacy systems

05

Delayed expansion of transparent, public-facing dashboards

# What's Next

## Access & Insights

- Increasingly advanced cross-domain dashboards that include predictive analytics
- Continued Portal build-out for district access to student-level dashboards and secure files

## Data Quality & Governance

- Data validation engine
- Workflow automation
- Common Educational Data Standard (CEDS alignment) system-wide

## Systems Development & Integration

- Data Collection application build-out for more collections
- Migration of DEED datasets, applications and staff workflows into warehouse

## Sustainability & Collaboration

- Ongoing training for DEED staff in Power BI dashboarding tool
- Continuing to work with districts on ways to automatically ingest data

# Contact Information

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# Stay Connected

## Find us online:

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