



# Classroom Displays: Interactive Flat Panels (IFP)

Replacement Plan Overview  
June 6, 2022



# Project Goals

Systematic approach to classroom display lifecycle management

Consistent display technology among classrooms

Consistent display technology platform to support enhanced professional development

Consistent and engaging student experience  
+ Increased Teacher Efficacy



# Current State

- 426 existing classroom displays
  - 109 Interactive Flat Panels
  - 317 Projector-based Panels
- Display replacements handled ad-hoc at building level
- Projector-based panels are end-of-life; sourcing parts/servicing existing boards increasingly challenging

# Target State

- Migration to flat-panel display technology (4-year initial plan)
- Predictable replacement schedule (8-year ongoing)

# DIT Process

**1**

## **Define the Issue**

Presentation was made to DIT by IT regarding the status of the Classroom Display technology.



**2**

## **Review the Options**

Research of top product options were shared with DIT by IT, products were reviewed for instructional value and list narrowed.



**3**

## **Invite Perspective**

A team of teacher leaders and tech leaders in their buildings was taken to Mat-Su to see the comparative products in action.



**4**

## **Make a Recommendation**

The Team completed the tool scoring guide and made their recommendation to DIT.

# Key Instructional Practices

Streamlined Collaboration

Direct Interaction and Engagement

Increased Opportunity for Targeted Instruction

Student Centered 

## **Redefinition**

*Tech allows for the creation of new tasks, previously inconceivable*

A source of content in a station rotation system, like the students get directions from a video of the teacher while the teacher works with another group, in essence replicating themselves to support students on application and practice oriented tasks.

## **Modification**

*Tech allows for significant task redesign*

Small groups of students solving problems together and using hide and reveal tools to check answers.

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## **Augmentation**

*Tech acts as a direct tool substitute, with functional improvement*

Using the IFP like a projector with a few tools, like writing on the screen.

## **Substitution**

*Tech acts as a direct tool substitute, with no functional change*

Using the IFP like a projector.

# Initial 4-year Deployment

- Approximately 100 interactive flat panels per year:
  - FY23: 103 panels, estimated cost \$527,051
  - FY24: 104 panels, estimated cost \$532,168
  - FY25: 111 panels, estimated cost \$567,987
  - FY26: 108 panels, estimated cost \$552,636
- Replacement occurs by school
  - All classroom displays in a single building updated at one time
- Existing 109 flat panel displays used through end of 4th year, maximizing existing investment
- Displaced projector-based panels used to service remaining fleet throughout 4-year deployment



# Ongoing Replacement (8-Year)

- Establishes maximum device age of 8-10 years
- Replacement occurs by school
  - All classroom displays in a single building updated at one time
- Approximately  $\frac{1}{8}$  of fleet replaced per year
  - Estimated 60 devices per year at existing levels
  - Estimated annual plan cost: \$264,120





*Questions...*