# Mankato Area Public Schools: A data dashboard journey though equity in public education

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Mankato Area Public Schools



#### Mankato's Journey into Data



- Operating in Silos
- No centralized database
- Limited reports and reporting infrastructure
- Manual and time intensive
- Lack of data integrity
- Static representation of data

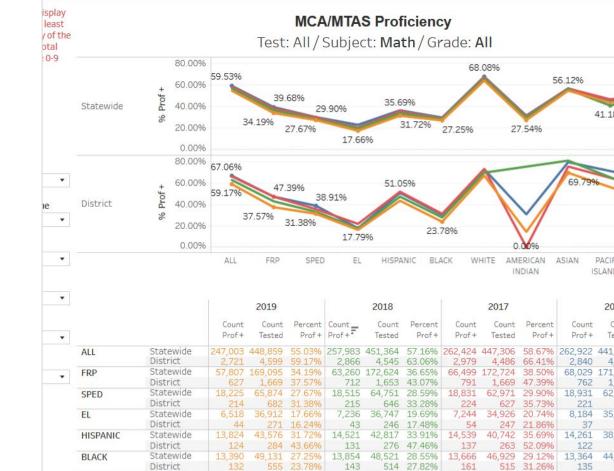


## Mankato's Journey into Data - Today



- Data analyst
- Data integration structure
- Centralized database
- Real-time data visualization through Tableau
- Data integrity
- Respond to data

## Leadership Institute After Tableau



2,088

17,139

78

96 81.25%

206,841

2,223

16,521

103 75.73%

2,140

WHITE

ASIAN

AMERICAN IN...

Statewide

District Statewide

District

District

Statewide

#### How did we get there?

Setting the stage

Gathering and auditing data

Data privacy

Analyzing data

Becoming "proximate" with the data

Sparking change

#### **Setting the Stage**



#### **Necessary Positions**

- Data Analyst
- Assessment, Research, and Evaluation Coordinator
- Assessment, Research, and Evaluation Liaison

Assessment Committee
Teaching & Learning
Committee

# Gathering and Auditing Data

- Gathered in SIS
- Audit current data
- Establish data input procedures
- Professional Development



#### **Data Privacy**

- Audited and updated user access privileges
- Provided <u>professional</u> <u>development</u>
- Centralized data requests
- Procedure for substitutes

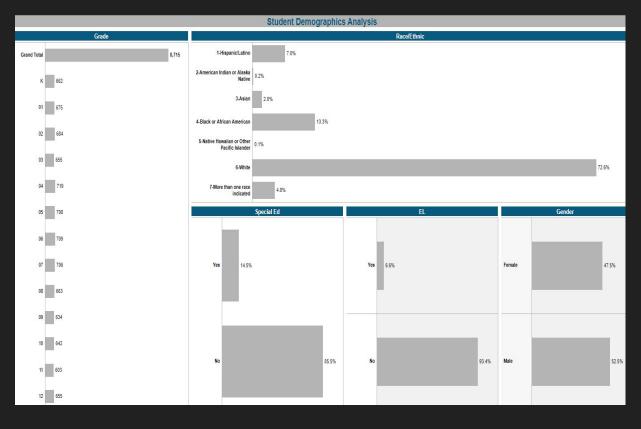


#### **Analyzing Data**

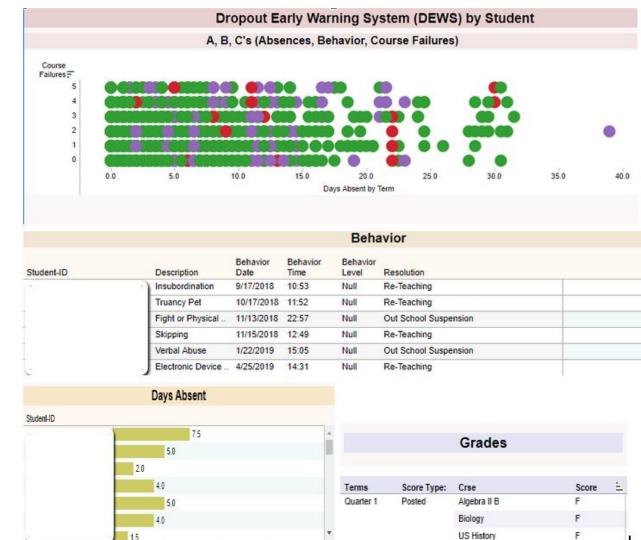
- Transform and visualize data
- Powerful tool
- Conversations in real-time



#### **Demographics**



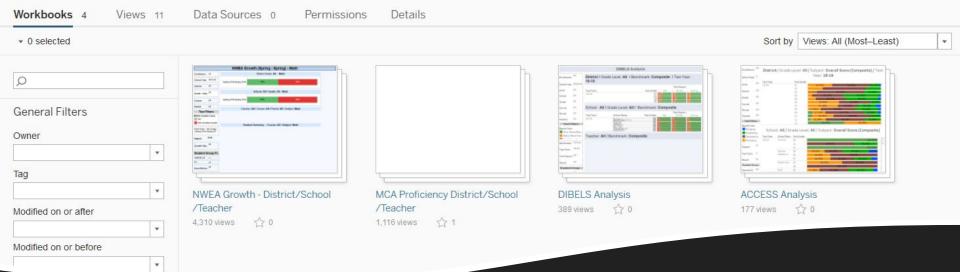
# Looking at the Whole Child



#### Individual Student Assessment History

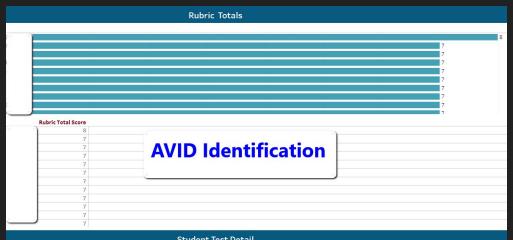






#### **Teacher Dashboards**

# Identification for Programming

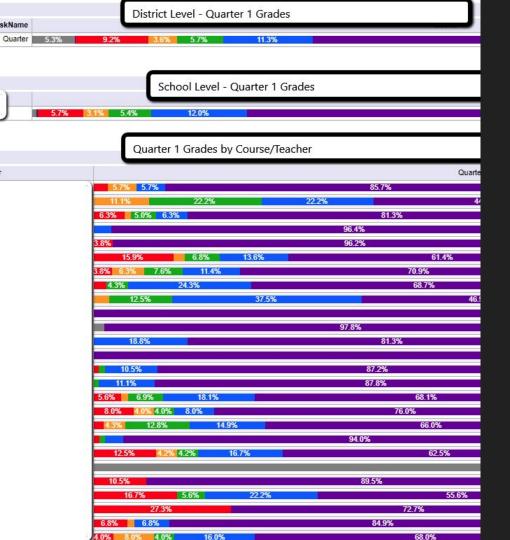


	Student lest Detail							
_	Parent Test Name	Scale Score	Result	Rubric Test Total				
	ACCESS for EL Grade 07	324	Emerging 2.7	0				
- 1	MCA III Reading Grade 06	606	Does Not Meet	0				
- 1	NWEA Math Grade 06	178	Low (1%-33%)	0				
- 1	NWEA Reading Grade 06	185	Low (1%-33%)	0				
- 1	ACCESS for EL Grade 07	404	Expanding 4.9	1				
- 1	ACCESS for EL Grade 07	313	Emerging 2.4	0				
- 1	MCA III Reading Grade 06	606	Does Not Meet	0				
- 1	NWEA Math Grade 05	160	Low (1%-33%)	0				
J	NWEA Math Grade 06	176	Low (196-3396)	0				
	NIMEA Deading Grade 05	152	Law /104_2204)	n				

#### Reading Detail

Final Reading	Final Reading PR	Student Name	MAP MN Spring 2017 R.	MAP MN Spring 2018 R.	MAP MN Spring 2019 Reading Per	CogAT Percentil eRank	Underserved
2.219414850	100		99	99	97	99	No
2.112481826	99.8		99	97	97	99	Yes
2.082702416	99.6		99	99	98	97	Yes
2.050030209	99.5		99	96	96	99	No
2.044951514	99.3		99	97	98	98	Yes
2.030659402	99.2		99	99	98	96	No
1.977611428	98.9		99	94	95	99	No
1.957924320	98.7		99	99	96	96	No
1.952294411	98.6		99	98	99	94	No
1.931395336	98.4		95	93	99	98	No
1.925197438	98.3		99	94	97	98	No
1.827936461	98.1		99	99	99	86	No
1.826525759	97.9		99	98	93	96	No
1.824228599	97.8		84	93	96	99	No
1.819678516	97.6		99	96	99	92	No
1.813275434	97.5		93	98	91	98	Yes
1.805833692	97.3		99	96	93	97	No
1.794278729	97.2		99	99	95	92	No
1.790442030	97		99	97	90	97	Yes
1.768235433	96.9		98	99	94	93	No
1.728927449	96.7		98	97	94	95	No
1.727042087	96.6		98	97	98	91	Yes
1.725710836	96.4		99	97	92	95	No
1.684932503	96.3		97	90	97	96	No
1.658827533	96.1		99	97	87	95	No
1.643012551	95.9		88	91	99	94	No
1.639315993	95.8		99	99	96	83	No
1.638270722	95.6		99	84	96	96	No
1.632162729	95.5		96	94	99	89	Yes
1.613624090	95.3		96	96	75	98	No
1.604993499	95.2		99	95	95	91	No
1.603567302	95		99	95	77	97	No
1.590258706	94.9		98	98	83	94	No
1.578028772	94.7		82	95	94	96	No
1.559692904	94.6		99	94	95	90	Yes
4 554700004	04.4		)nn	00	00	74	M-

# Talent Development Identification



## Administrator View - Grades Analysis



## What's Next? Moving forward:

MN Student Survey Data

Community Education data

- Compare after school programs with student grades and missing assignments
- Participation in early childhood programs with success in grades K-3

Fully implementing data analysis protocol

### Talking the Talk: Data Analysis Protocol

- Step 1: What parts of this data catch your attention?
   Facts/Statements about quantities.
- Step 2: What does the data tell us? What does the data NOT tell us?
- Step 3: What good news is there to celebrate?
- Step 4: What are the problems of practice suggested by the data?
- Step 5: What are our key conclusions? What recommendations does the team have for addressing the problems of practice?

