

**2021-2022
Student
Data**



**Board of
Education
Study
Session**

What Is A “Data Culture” And Why Do We Need One?

Culture is the collection of shared values and practices that drive the actions of all team members.

Similarly, data culture is the collective behavior and beliefs of people in how they use (or don't use) data for decision-making.

Critical Components For A Successful Data Culture

1. Leadership owns and drives the use of data
2. Data champions break silos between teams and promote collaboration
3. Data is trusted, easily accessible, and freely shared
4. Data literacy is considered a critical skill for every role

How Do We Build An Effective Data Culture?

Using data for decision-making at every level, from classrooms to the boardroom

- It's not a test or data system
- It's the collective beliefs and behaviors of all staff to use, value, and rely on data for improved decision-making

Mindset Matters

How to keep equity in mind for data conversations:

1. Disaggregate data
2. Maintain an awareness of your own biases
3. Learn the context of your community to inform interpretation
4. Share and interpret data with instead of for stakeholders
5. Recognize the limitations of the data and collect more, if necessary

Resource: [Considerations for Framing Equity Data Conversations](#)

2019-2022 State Data Reminders

- 2019: All students grades 3-11 took state tests
- 2020: Remote learning; state test not administered
- 2021: Students took CMAS in every other grade level (ELA: 3rd, 5th, 7th; Math: 4th, 6th, 8th), all PSAT & SAT
- 2022: All students took CMAS ELA and Math in grades 3-8, PSAT & SAT in grades 9-11

Jeffco 2022 Preliminary State Data Summary

Embargoed
until 8/17/22

- Participation rates: 81% to 96% depending on grade level
- Relevant takeaways:
 - In English Language Arts – 5 out of 10 students meeting CMAS proficiency; 7 out of 10 students SAT “college ready”
 - In Math – The picture is quite different; math proficiency by grade:

5th graders: 4 of 10

7th graders: 3 of 10

11th graders: < 5 of 10

6th graders: 3 of 10

8th graders: 4 of 10

(SAT “college ready”)

- 25+point gap for students in poverty AND our overall 2021 CMAS Math growth was at the 31st percentile

Note: 2022 Academic growth data will be released in August

Jeffco's Academic Pandemic Recovery

Embargoed
until 8/17/22

- Approximately 60% of the 2022 state data tests (CMAS & SAT, overall and disaggregated groupings) have returned to 2019 proficiency levels
- 2022 results below 2019 performance:
 - Grade 4 and 7 CMAS ELA
 - Grade 6, 7, and 8 CMAS Math
 - PSAT 9 EBRW & Math
 - SAT 11 Math
 - Results for students of color, English language learners, and free/reduced lunch eligible students

**Academic gaps are widening for these student groups*

CMAS Cohort Data

Embargoed
until 8/17/22

2019

- 3rd grade proficiency
 - ELA = 46%
 - Math = 46%
- 4th grade proficiency
 - ELA = 55%
 - Math = 39%
- 5th grade proficiency
 - ELA = 54%
 - Math = 39%



2022

- Now 6th graders
 - ELA = 51%
 - Math = 30%
- Now 7th graders
 - ELA = 47%
 - Math = 29%
- Now 8th graders
 - ELA = 49%
 - Math = 40%

Jeffco and State CMAS English Language Arts Met/Exceeded Performance

Grade	CMAS ELA %Met/Exceeded*	
	Jeffco	Colorado
3	48%	41%
4	53%	44%
5	53%	45%
6	51%	43%
7	47%	42%
8	49%	44%

*ELA = English language arts

Does not include Colorado Spanish language arts in Grades 3 and 4

Jeffco and State CMAS Mathematics Met/Exceeded Performance

Grade	CMAS MATH %Met/Exceeded	
	Jeffco	Colorado
3	47%	39%
4	38%	31%
5	39%	35%
6	30%	26%
7	29%	25%
8	40%	32%

Jeffco and State PSAT/SAT Scale Score

Test	Jeffco				Colorado		
	Total Score	EBRW*	Math		Total Score	EBRW*	Math
SAT	1036	526	510		986	503	483
PSAT 10	977	500	478		935	480	455
PSAT 9	922	467	455		885	451	434

*EBWR - Evidenced-based
Reading/Writing

**Jeffco
Schools'
Academic
Growth for
CMAS and
PSAT/ SAT**

Grade Level	ELA/EBRW*	Math
4	56	--
5	--	49
6	51	--
7	--	53
8	53	--
9	N/A	56
10	53	55
11	53	55

*ELA - English language arts (gr. 4-8); EBRW - Evidenced-based Reading/Writing (gr. 9-11)

-- Denotes missing growth percentile not reported by CDE due to 2021 reduced state

What Did We Learn From MAP?

- 3rd and 4th grade literacy achievement in spring 2022 was close to pre-pandemic performance from 2019
- Grades 6-8 are not showing pre-pandemic achievement resiliency
- Math achievement needs a sense of urgency, specifically at middle level
- Growth shows promise

*Only Algebra I and below take MAP

Fall to Spring MAP Reading - Median Growth Percentile				
Grade	2018-2019	2019-2020	2020-2021	2021-2022
3	58	-	47	59
4	55	-	45	58
5	52	-	47	53
6	51	-	40	46
7	51	-	40	48
8	56	-	44	50
9	56	-	44	51
10	57	-	44	50

Fall to Spring MAP Math - Median Growth Percentile				
Grade	2018-2019	2019-2020	2020-2021	2021-2022
3	55	-	50	64
4	54	-	55	63
5	56	-	46	54
6	57	-	42	54
7	57	-	41	53
8	55	-	42	55
9	57*	-	47*	58*
10	56*	-	43*	55*

Why Focus On Elementary Literacy?

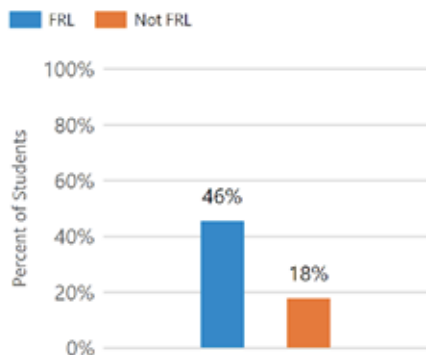
- Early literacy is foundational for future success
 - Elementary literacy focus for the state of Colorado through Read Act legislation
 - Research shows students not reading at grade level by 3rd grade are at four times greater risk to not graduate from high school on time (source)
 - Less than half (48%) of Jeffco students met/exceeded 2022 CMAS Grade 3 Reading expectations
 - 1,350 grade 3 Jeffco students with READ plans

Grade 3 READ Plan Rates

District - Demographic Groups

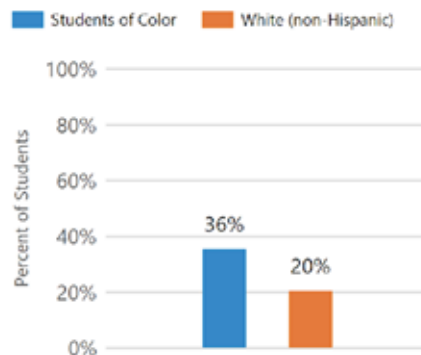
2021-22 Overall: 25%

Free/Reduced Lunch Eligible (FRL)



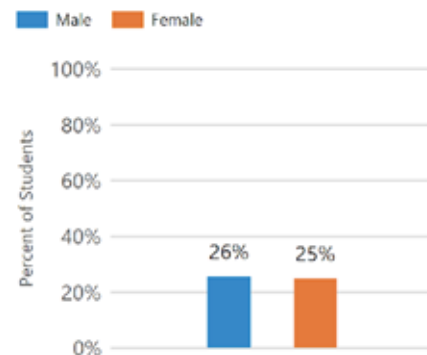
	Students with READ Plan	Total Students
FRL	656	1,440
Not FRL	692	3,888

Ethnicity



	Students with READ Plan	Total Students
Students of Color	609	1,715
White (non-Hispanic)	739	3,613

Gender



	Students with READ Plan	Total Students
Male	699	2,729
Female	649	2,599

How to read the first graph: The blue bar shows the percent of all FRL students with a READ plan and the orange bar shows the percent of all non-FRL students with a READ plan

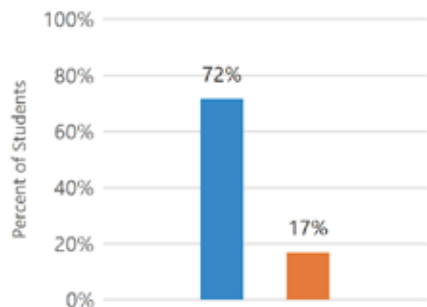
Grade 3 READ Plan Rates

District - Instructional Groups

2021-22 Overall: 25%

Individualized Education Program (IEP)

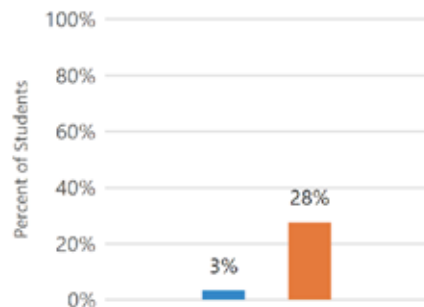
■ IEP ■ Not IEP



	Students with READ Plan	Total Students
IEP	591	826
Not IEP	757	4,502

Gifted/Talented (GT)

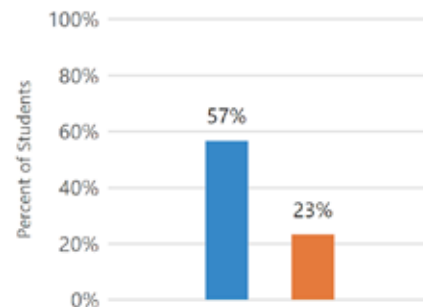
■ GT ■ Not GT



	Students with READ Plan	Total Students
ALP	16	505
Not ALP	1,332	4,823

English Language Learner (ELL)

■ ELL (NEP and LEP) ■ Not ELL



	Students with READ Plan	Total Students
ELL (NEP and LEP)	198	349
Not ELL	1,150	4,979

CMAS ELA Grade 03 Percent Met/Exceeded

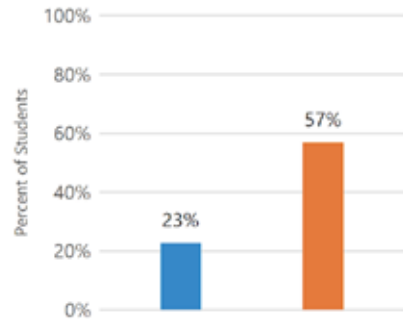
District - Demographic Groups

2021-22 Overall: 48%

Embargoed until 8/17/22

Free/Reduced Lunch Eligible (FRL)

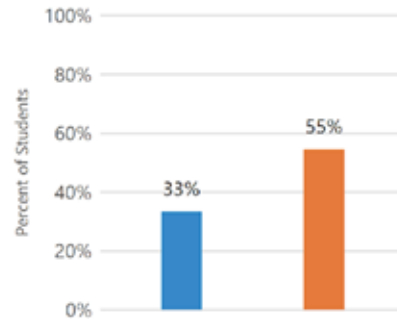
FRL Not FRL



	Students Met/Exceeded	Total Students
FRL	290	1,286
Not FRL	2,081	3,665

Ethnicity

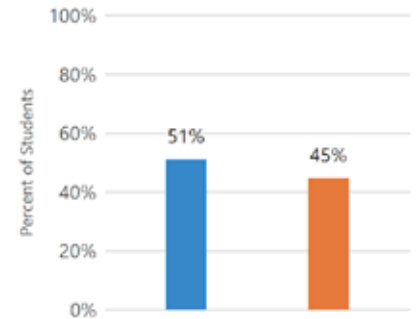
Students of Color White/Non-Hispanic



	Students Met/Exceeded	Total Students
Students of Color	512	1,540
White/Non-Hispanic	1,859	3,411

Gender

Female Male



	Students Met/Exceeded	Total Students
Female	1,236	2,417
Male	1,135	2,534

CMAS ELA Grade 03 Percent Met/Exceeded

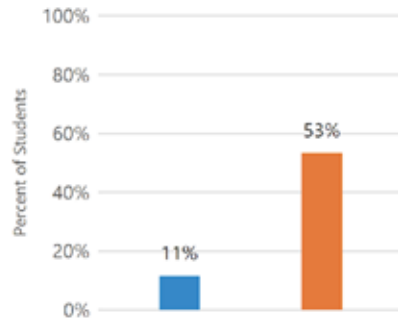
District - Instructional Groups

2021-22 Overall: 48%

Embargoed until 8/17/22

Individualized Education Program (IEP)

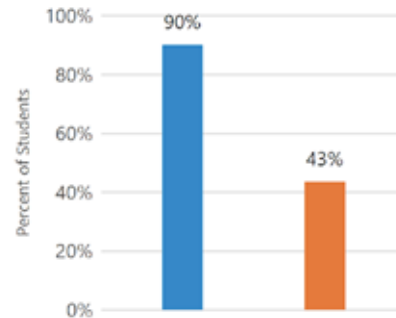
■ IEP ■ Not IEP



	Students Met/Exceeded	Total Students
IEP	72	628
Not IEP	2,299	4,323

Gifted/Talented (GT)

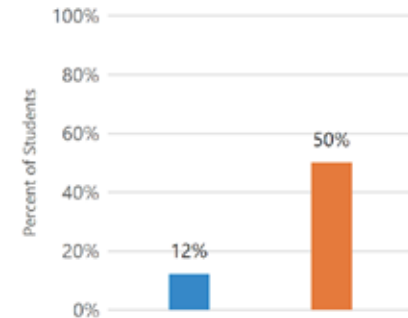
■ GT ■ Not GT



	Students Met/Exceeded	Total Students
Gifted/Talented	428	475
Not Gifted/Talented	1,943	4,476

English Language Learner (ELL)

■ ELL (NEP and LEP) ■ Not ELL



	Students Met/Exceeded	Total Students
ELL (NEP and LEP)	35	287
Not ELL	2,336	4,664

Why Focus On Secondary Math?

- Algebra I is a gatekeeper course for graduation
 - Jeffco graduation requires earning 3 higher level math credits
 - Higher education access and postsecondary workforce readiness requires a strong foundation in mathematics ([source](#))
- 12% (or 561) Jeffco students failed 8th grade math courses last year
 - 19% to 26% for historically underserved populations
- 4 out of 10 Jeffco students met/exceeded 2022 CMAS Grade 8 Math expectations (2,823 students did not)

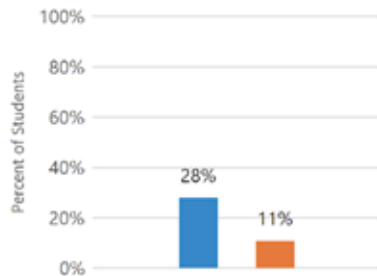
Grade 8 Math Course Failure Rates

District - Demographic Groups

2021-22 Overall: 15%

Free/Reduced Lunch Eligible (FRL)

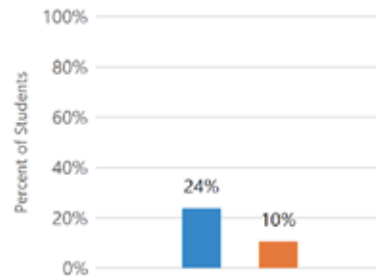
FRL Not FRL



	Students Who Failed Math	Total Students
FRL	428	1,536
Not FRL	468	4,337

Ethnicity

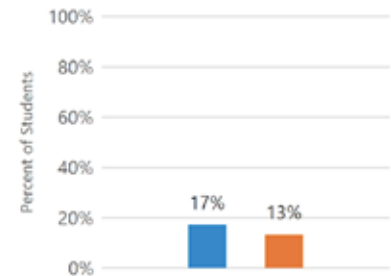
Students of Color White (non-Hispanic)



	Students Who Failed Math	Total Students
Students of Color	501	2,109
White (non-Hispanic)	395	3,764

Gender

Male Female



	Students Who Failed Math	Total Students
Male	510	2,967
Female	386	2,906

How to read the first graph: The blue bar shows the percent of all FRL students who failed one or more math courses in 2022 and the orange bar shows the percent of all non-FRL students who failed one or more math courses in 2022

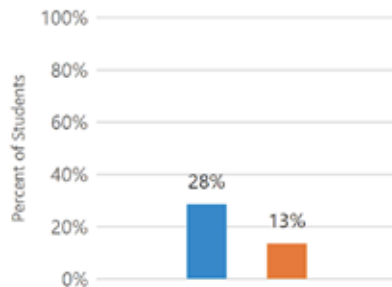
Grade 8 Math Course Failure Rates

District - Instructional Groups

2021-22 Overall: 15%

Individualized Education Program (IEP)

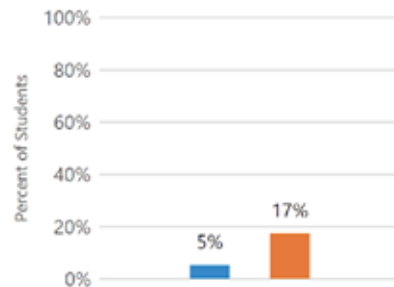
IEP Not IEP



	Students Who Failed Math	Total Students
IEP	205	722
Not IEP	691	5,151

Gifted/Talented (GT)

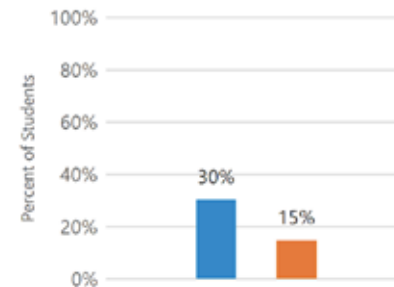
GT Not GT



	Students Who Failed Math	Total Students
ALP	53	998
Not ALP	843	4,875

English Language Learner (ELL)

ELL (NEP and LEP) Not ELL



	Students Who Failed Math	Total Students
ELL (NEP and LEP)	70	231
Not ELL	826	5,642

CMAS Math Grade 8 Percent Met/Exceeded

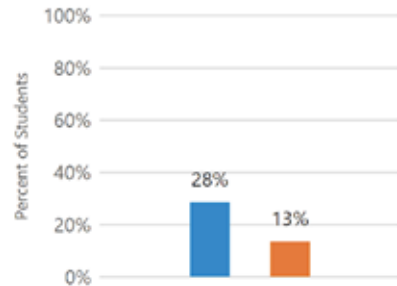
District - Demographic Groups

Embargoed
until 8/17/22

2021-22 Overall: 15%

Individualized Education Program (IEP)

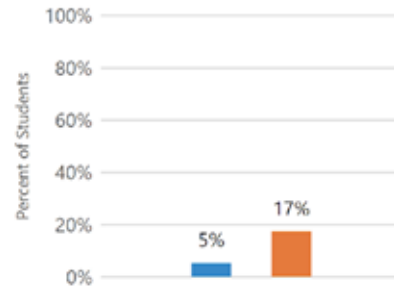
IEP Not IEP



	Students Who Failed Math	Total Students
IEP	205	722
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Gifted/Talented (GT)

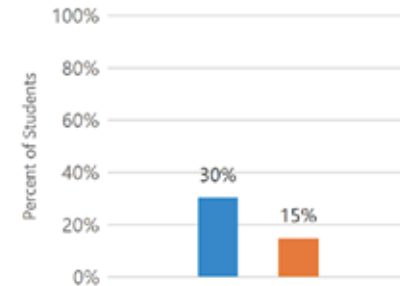
GT Not GT



	Students Who Failed Math	Total Students
ALP	53	998
Not ALP	843	4,875

English Language Learner (ELL)

ELL (NEP and LEP) Not ELL



	Students Who Failed Math	Total Students
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Not ELL	826	5,642

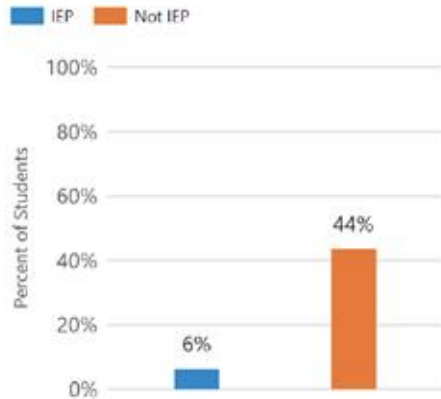
CMAS Math Grade 8 Percent Met/Exceeded

District - Instructional Groups

2021-22 Overall: 40%

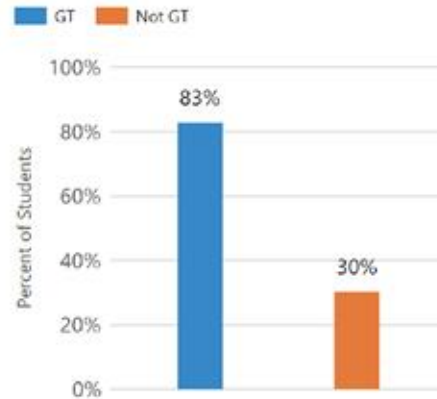
Embargoed until 8/17/22

Individualized Education Program (IEP)



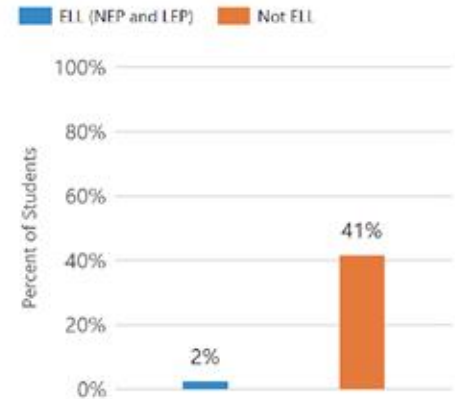
	Students Met/Exceeded	Total Students
IEP	30	488
Not IEP	1,821	4,186

Gifted/Talented (GT)



	Students Met/Exceeded	Total Students
Gifted/Talented	694	840
Not Gifted/Talented	1,157	3,834

English Language Learner (ELL)



	Students Met/Exceeded	Total Students
ELL (NEP and LEP)	5	219
Not ELL	1,846	4,455

Why Focus On Postsecondary Workforce Readiness?

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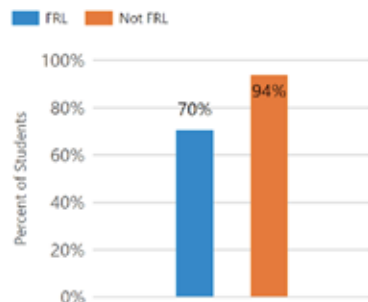
- Graduation matters
 - High school graduates earn more than non-graduates ([source](#))
 - Negative health impacts for high school dropouts ([source](#))
- 14% of Jeffco students do not graduate in 4 years with their graduation cohort
- 7% of Jeffco students do not graduate or complete a GED/HSED in 7 years with their graduation cohort
- 49% of Jeffco students met/exceeded 2022 SAT Grade 11 Colorado graduation requirement expectations

On-Time 4-Year Graduation Rates

District - Demographic Groups

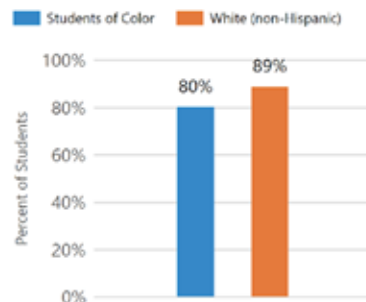
2020-21 Overall: 86%

Free/Reduced Lunch Eligible (FRL)



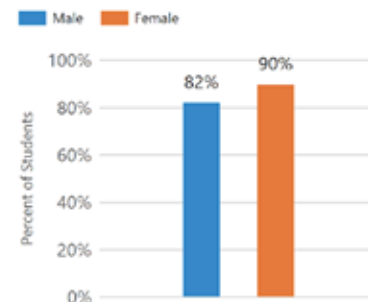
	On-Time Graduates	Total Students
FRL	1,522	2,159
Not FRL	3,903	4,166

Ethnicity



	On-Time Graduates	Total Students
Students of Color	1,740	2,173
White (non-Hispanic)	3,685	4,152

Gender



	On-Time Graduates	Total Students
Male	2,623	3,202
Female	2,802	3,123

How to read the first graph: The blue bar shows the percent of all FRL students graduating in 4 years and the orange bar shows the percent of all non-FRL students graduating in 4 years

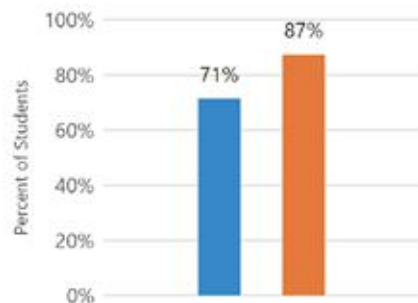
On-Time 4-Year Graduation Rates

District - Instructional Groups

2020-21 Overall: 86%

Individualized Education Program (IEP)

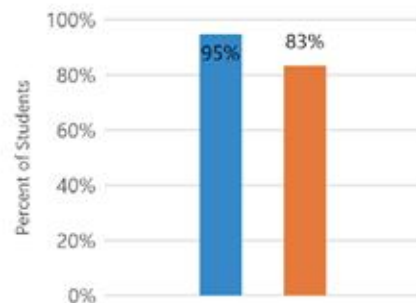
■ IEP ■ Not IEP



	On-Time Graduates	Total Students
IEP	454	636
Not IEP	4,971	5,689

Gifted/Talented (GT)

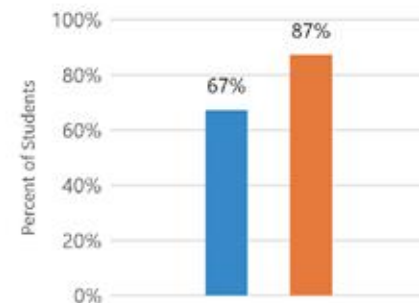
■ GT ■ Not GT



	On-Time Graduates	Total Students
ALP	1,289	1,363
Not ALP	4,136	4,962

English Language Learner (ELL)

■ ELL (NEP and LEP) ■ Not ELL

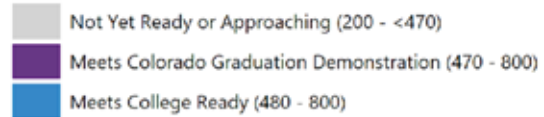


	On-Time Graduates	Total Students
ELL (NEP and LEP)	308	458
Not ELL	5,117	5,867

District Colorado SAT

Evidence Based Reading and Writing (EBRW)

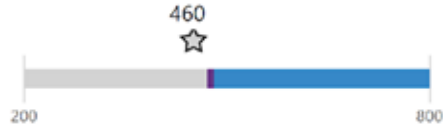
2021-2022 EBRW Colorado SAT Mean: **526**



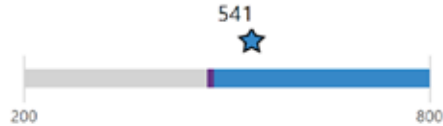
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Free/Reduced Lunch Eligible (FRL)

FRL



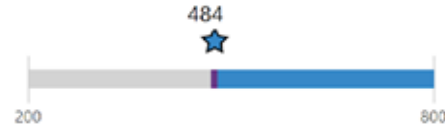
Not FRL



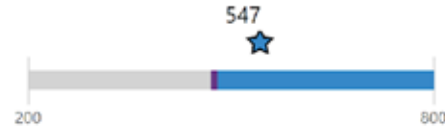
	Mean	Total Students
FRL	460	994
Not FRL	541	4307

Ethnicity

Students of Color



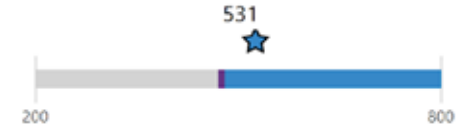
White/Non-Hispanic



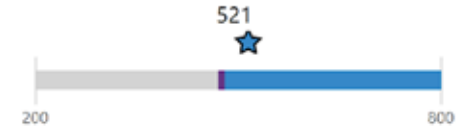
	Mean	Total Students
Students of Color	484	1777
White/Non-Hispanic	547	3524

Gender

Female



Male

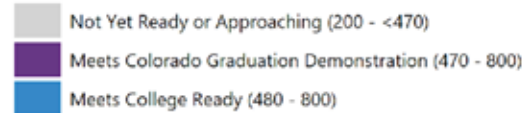


	Mean	Total Students
Female	531	2561
Male	521	2740

District Colorado SAT

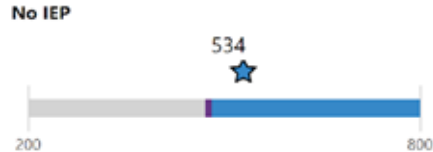
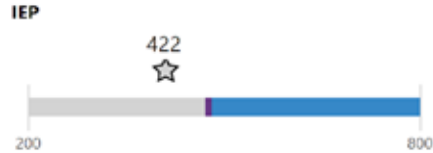
Evidence Based Reading and Writing (EBRW)

2021-2022 EBRW Colorado SAT Mean: **526**



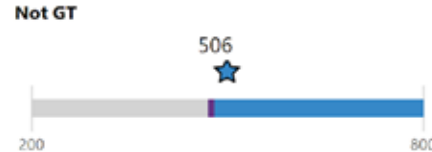
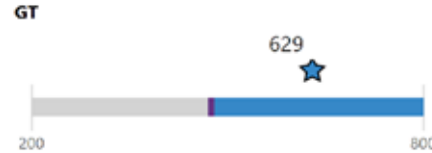
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Individualized Education Program (IEP)



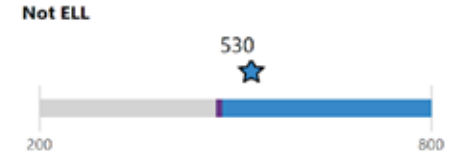
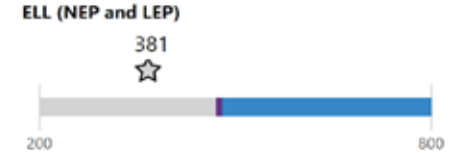
	Mean	Total Students
IEP	422	374
No IEP	534	4928

Gifted/Talented (GT)



	Mean	Total Students
GT	629	871
Not GT	506	4431

English Language Learners (ELL)



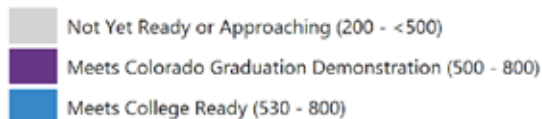
	Mean	Total Students
ELL (NEP and LEP)	381	138
Not ELL	530	5164

District Colorado SAT

Math

2021-2022 Math Colorado SAT Mean:

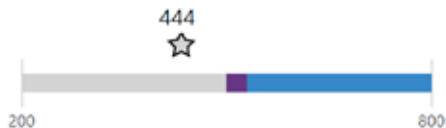
510



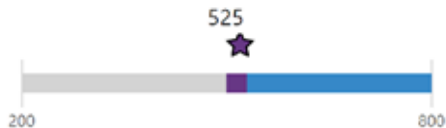
**Embargoed
until 8/17/22**

Free/Reduced Lunch Eligible (FRL)

FRL



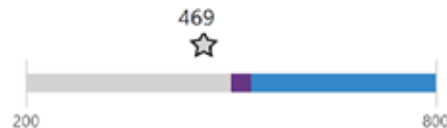
Not FRL



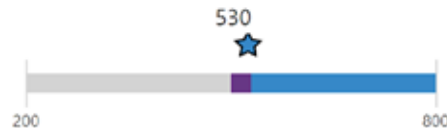
	Mean	Total Students
FRL	444	994
Not FRL	525	4307

Ethnicity

Students of Color



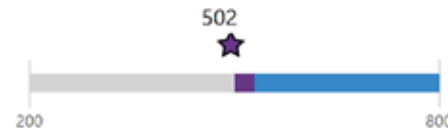
White/Non-Hispanic



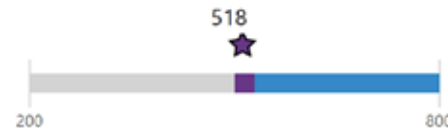
	Mean	Total Students
Students of Color	469	1777
White/Non-Hispanic	530	3524

Gender

Female



Male

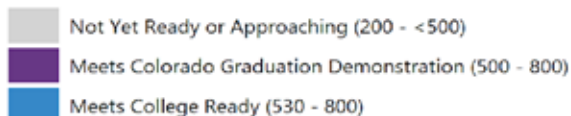


	Mean	Total Students
Female	502	2561
Male	518	2740

District Colorado SAT

Math

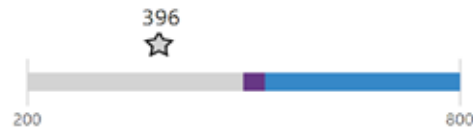
2021-2022 Math Colorado SAT Mean: **510**



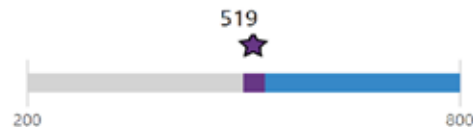
**Embargoed
until 8/17/22**

Individualized Education Program (IEP)

IEP

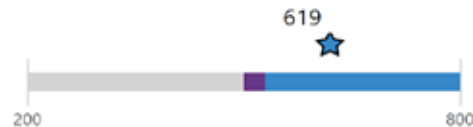


No IEP

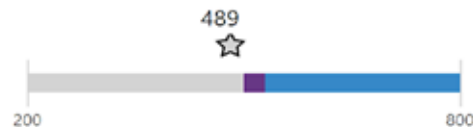


Gifted/Talented (GT)

GT



Not GT

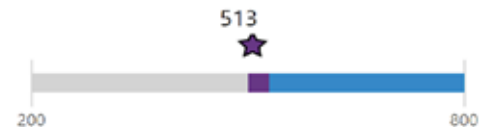


English Language Learners (ELL)

ELL (NEP and LEP)



Not ELL



	Mean	Total Students
IEP	396	374
No IEP	519	4928

	Mean	Total Students
GT	619	871
Not GT	489	4431

	Mean	Total Students
ELL (NEP and LEP)	378	138
Not ELL	513	5164



JEFFCO 2025

THRIVES