

Colorado Alternate Assessment Program (CoAlt) 2024 State Achievement Results Science

Science

Based on the 2020 Colorado Academic Standards

Interpretation Considerations

• Interpretation of school, district, and state results should be made with caution when participation rates are low and/or representativeness* is limited.

Cross-state comparisons should consider differences in participation rates and representativeness* across schools, districts, and student groups.
 Cross-year comparisons should consider differences in participation rates and representativeness* across years.

• For the second year, Spring 2024 CoAlt science assessments were aligned to the 2020 Colorado Academic Standards. CoAlt science assessments prior to Spring 2023 were based on different academic standards and results prior to 2023 cannot be compared.

*Representativeness: how well the demographics of the tested student population mirrored the demographics of the enrolled student population

Overall Results											
	Number of		Performance Le	evel Information		Percent At Target or Advanced					
Report Category	Number of Valid Scores	Percent Emerging	Percent Approaching Target	Percent At Percent Target Advanced		2024	2023	Change 2024-2023			
Science Overall											
Grade 05	457	30.6	30.9	19.5	19.0	38.5	35.2	3.3			
Grade 08	472	37.3	29.4	24.8	8.5	33.3	32.5	0.8			
Grade 11	421	35.2	30.2	22.8	11.9	34.7	33.0	1.7			
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Science Results by Gender													
			Performance Lev	vel Information		Percent At Target or Advanced							
Report Category	Number of Valid Scores	Percent Emerging	Percent Approaching Target	Percent At Target	Percent Advanced	2024	2023	Change 2024-2023					
Science Grade 05													
Male	279	31.9	27.6	18.3	22.2	40.5	39.7	0.8					
Female	178	28.7	36.0	21.3	14.0	35.4	27.9	7.5					
Science Grade 08													
Male	315	37.8	30.2	22.2	9.8	32.1	33.9	-1.8					
Female	157	36.3	28.0	29.9	5.7	35.7	30.4	5.3					
Science Grade 11													
Male	250	38.4	27.2	21.2	13.2	34.4	33.2	1.2					
Female	171	30.4	34.5	25.1	9.9	35.1	32.8	2.3					
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	1	-	Science Resu	Ilts by Race/Ethn	icity	-		-			
Desert Cataran		Number of Performance Level Information						Percent At Target or Advanced			
Report Category		Valid Scores	Fercent	Approaching	Torret	Advanced	2024	2023			
Science Grade 05	1	-	-	-	-	-	-	-			
American Indian or Alaska Native		< 16									
Asian	1	< 6 ⁻					-	23.5	-		
Black		35	37.1	22.9	20.0	20.0	40.0	22.9	17.1		
Hispanic		200	28.5	32.5	21.0	18.0	39.0	33.1	5.9		
White		177 _	29.4_	30.5	19.8_	20.3_	40.1	<u>40.9</u>	-0.8		
Hawaiian/Pacific slander		< 6	-	-	-	-	-	-	-		
Two or More Races		27	48.1	22.2			29.6	33.3	-3.7		
Not eported		< 6	-	-	-	-	-		-		
Science Grade 08	4										
American Indian or Alaska Native	I	< 16									
Asian		22	-	-	-	-	-	-	-		
Black		37	48.6	16.2	21.6	13.5	35.1	39.5	-4.4		
Hispanic		200	37.5	33.5	22.5	6.5	29.0	30.4	-1.4		
White	1	182 -	35.7-	28.6-	25.8-	9.9 -	35.7	-33.7	2.0		
Hawaiian/Pacific slander		< 6	-	-	-	-	-	-	-		
Two or More Races		27	33.3	18.5			48.1	33.3	14.8		
Science Grade 11									- -		
American Indian or Alaska Native	1	< 16-									
Asian		< 6	-	-	-	-	-	-	-		
Black		31	45.2	38.7			16.1	24.2	-8.1		
Hispanic		190	38.9	31.6			29.5	34.2	-4.7		
White		167	28.1	27.5	26.9	17.4	44.3	30.4	13.9		
Hawaiian/Pacific slander		< 6	-	-	-	-	-	-	-		
Two or More Races		18	44.4	27.8			27.8	48.0	-20.2		
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Science Results by Free/Reduced Lunch Status													
Report Category			Performance Le	vel Information		Percent At	Target or A	dvanced					
	Number of Valid Scores	Percent Emerging	Percent Approaching Target	Percent At Target	Percent Advanced	2024	2023	Change 2024-2023					
Science Grade 05			-			2							
Free/Reduced Lunch Eligible	304	30.9	25.3	21.7	22.0	43.8	35.8	8.0					
Not Free/Reduced Lunch Eligible	153	30.1	41.8	15.0	13.1	28.1	34.4	-6.3					
Science Grade 08													
Free/Reduced Lunch Eligible	286	37.1	29.4	23.1	10.5	33.6	35.0	-1.4					
Not Free/Reduced Lunch Eligible	186	37.6	29.6	27.4	5.4	32.8	29.3	3.5					
Science Grade 11							-						
Free/Reduced Lunch Eligible	260	34.2	30.8	21.5	13.5	35.0	39.1	-4.1					
Not Free/Reduced Lunch Eligible	161	36.6	29.2	24.8	9.3	34.2	25.6	8.6					
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		Science	Results by Specia	al Programs Stat	us			
		Performance Level Information						dvanced
Report Category	Number of Valid Scores	Percent Emerging	Percent Approaching Target	Percent At Target	Percent Advanced	2024	2023	Change 2024-2023
Science Grade 05								
Title I	239	25.9	28.5	21.3	24.3	45.6	29.7	15.9
Not Title I	218	35.8	33.5	17.4	13.3	30.7	42.0	-11.3
Science Grade 08								
Title I	194	34.5	29.9	26.3	9.3	35.6	31.6	4.0
Not Title I	278	39.2	29.1	23.7	7.9	31.7	32.9	-1.2
Science Grade 11								
Title I	83	34.9	33.7	16.9	14.5	31.3	46.8	-15.5
Not Title I	338	35.2	29.3	24.3	11.2	35.5	29.7	5.8
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COLORADO Department of Education	on							August 2024
	Colorado /	Alternate A	Assessment	Program (C	oAlt)			
	20	24 State A	chievement	t Results				
			Science					
	Based		Colorado Acade	mic Standards				
	Dased		ation Consideration					
 Interpretation of school, district, and state res Cross-state comparisons should consider differe Cross-year comparisons should consider differe For the second year, Spring 2024 CoAlt science based on different academic standards and resu *Representativeness: how well the demographic 	ences in participa ences in participat e assessments were lts prior to 2023 c	tion rates and re ion rates and rep e aligned to the annot be compar	presentativeness* presentativeness* 2020 Colorado Aca red.	across schools, d across years. ademic Standards	istricts, and stud	ent groups. ssessments prior)23 were
		Science Results	s by Language Pro	oficiency				
			Performance Le	Percent At	Target or A	dvanced		
Report Category	Number of Valid Scores	Percent Emerging	Percent Approaching Target	Percent-At Target	Percent Advanced	2024	2023	Change 2024-2023
Science Grade 05								
English Language Proficiency: (NEP/LEP)	75	38.7	36.0	18.7	6.7	25.3	21.2	4.1
NEP Not nglish roficient)	66	-	-	-	-	-	-	-
LEP (Limited English Proficient)	< 16							
English Language Proficiency: (Not NEP/LEP)	382	29.1	29.8	19.6	21.5	41.1	38.1	3.0
FEP (Fluent English Proficient), FELL E (Former English Language Learner)	26 _	19.2 __	42.3	15.4_	23.1	38.5	_45.0	-6.5
PHLOTE, NA, Not Reported	356	29.8	28.9	19.9	21.3	41.3	37.7	3.6
Science Grade 08								
English Language Proficiency: (NEP/LEP)	61	54.1	26.2			19.7	20.4	-0.7
NEP Not nglish roficient)	46	-	-	-	-	-	-	-
LEP (Limited English Proficient)	< 16							
			1			1	1	1

29.9

44.6

27.6

34.8

26.8

36.1

411

56

355

- -

19.6

- -

- -

8.9

- -

35.3

28.6

36.3

34.1

34.0

34.2

1.2

-5.4

2.1

(

English Language Proficiency: (Not NEP/LEP)

FEP (Fluent English Proficient), FELL

(Former English Language Learner)

PHLOTE, NA, Not Reported

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COLORADO Department of Educatio	n							August 202
	Colorado	Alternate A	ssessment	Program (C	oAlt)			
	20)24 State A	chievement	t Results				
			Science					
	Based	l on the 2020 (Colorado Acade	mic Standards				
		Interpreta	ation Consideration	ons				
 Cross-state comparisons should consider differe Cross-year comparisons should consider differe For the second year, Spring 2024 CoAlt science based on different academic standards and resu *Representativeness: how well the demographic 	nces in participat assessments wer lts prior to 2023 c	tion rates and rep e aligned to the 2 cannot be compar udent population	resentativeness* 2020 Colorado Aca red. mirrored the dem	across years. ademic Standards nographics of the	. CoAlt science as	ssessments prior	to Spring 20	023 were
		Science Results	by Language Pro	evel Information		Percent At	Target or A	dvanced
Report Category	Number of Valid Scores	Percent Emerging	Percent Approaching Target	Percent-At Target	Percent Advanced	2024	2023	Change 2024-2023
Science Grade 11							1	T
English Language Proficiency: (NEP/LEP)	37	54.1	29.7	8.1	8.1	16.2	23.8	-7.6
NEP Not nglish roficient)	33	-	-	-	-	-	-	-
LEP (Limited English Proficient)	< 16							
English Language Proficiency: (Not NEP/LEP)	384	33.3	30.2	24.2	12.2	36.5	34.1	2.4
FEP (Fluent English Proficient), FELL (Former English Language Learner)	64	46.9	31.3			21.9	32.8	-10.9
PHLOTE, NA, Not Reported	320	30.6	30.0			39.4	34.3	5.1
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August 2024



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Science Results by Migrant Status													
			Performance Le	Percent At Target or Advanced									
Report Category	Number ⁻ of Valid Scores -	Percent Emerging	Percent Approaching Target	Percent-At Target	Percent Advanced	2024	2023	Change 2024-2023					
Science Grade 05													
Migrant	< 6	-	-	-	-	-	-	-					
Not igrant ₁	456 _			- <u>-</u>	- <u>.</u>			-					
Science Grade 08	_	-	_	_	_	_	-						
Migrant	< 6	-	-	-	-	-	-	-					
Not Migrant	472	37.3	29.4	24.8	8.5	33.3	32.5	0.8					
Science Grade 11	-		-		-	-		-					
Migrant	< 6	-	-	-	-	-	-	-					
Not igrant	417	-	-	-	-	-	-	-					
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