

## NATIONAL COMPARISON OF STUDENT ACHIEVEMENT

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### The National Assessment of Educational Progress

The National Assessment of Educational Progress (NAEP), also known as "[The Nation's Report Card](#)," has conducted national assessments since 1969 in many content areas, including social studies and the arts. Since 1990, NAEP has produced reports on student achievement at the state as well as the national level in mathematics, reading, science and writing. The [National Center for Education Statistics](#) within the U.S. Department of Education is responsible for carrying out NAEP. The independent, non-partisan [National Assessment Governing Board](#) oversees and sets policy for NAEP.

### Differences between NAEP and Oregon State Assessments

Unlike Oregon state assessments, NAEP does **not** provide individual scores for students, schools, or districts in Oregon for several reasons:

- NAEP is a survey assessment, so results are based on samples of students representative of the state or nation;
- Each student takes a small part of the overall assessment, so only when the scores are aggregated for groups of students are the data considered valid and reliable estimates of what students know and can do in the content area;
- Federal law requires that NAEP data remain confidential, so no personally identifiable information about students is linked to the NAEP assessment data.

There are other important differences between NAEP and Oregon state assessments. NAEP produces state results only for 4<sup>th</sup> and 8<sup>th</sup> graders, while Oregon state assessments report results for students in elementary, middle and high school grade levels. The content tested in a NAEP assessment is determined by a national panel of experts convened by the National Assessment Governing Board. Oregon state assessments test the knowledge and skills laid out in the content standards adopted by the Oregon State Board of Education.

### NAEP Assessment Schedule

This report includes results from the 2021-22 NAEP state mathematics and reading assessments, which are the most recent NAEP state assessment results available. For 2022-23, NAEP plans to conduct national long-term trend assessments of thirteen-year-old students in mathematics and reading as well as field test for the state mathematics and reading assessments. NCES plans to release the results of the national long-term trend assessments of 13-year-olds during the 2022-23 school year.

## National Assessment of Educational Progress: Reading, Grade 4, 2022

NAEP reports achievement levels and average scale scores. Average scale scores for reading are expressed on a 0-500 scale. NAEP has three achievement levels: NAEP Basic, NAEP Proficient and NAEP Advanced. The [National Assessment Governing Board](#) defines the NAEP achievement levels as follows:

- NAEP Basic: Partial mastery of prerequisite knowledge and skills that are fundamental for performance at the NAEP Proficient level
- NAEP Proficient: Solid academic performance for each NAEP assessment. Students reaching this level have demonstrated competency over challenging subject matter, including subject-matter knowledge, application of such knowledge to real world situations, and analytical skills appropriate to the subject matter
- NAEP Advanced: Superior performance beyond NAEP Proficient

2022 NAEP Grade 4 Reading Results Achievement Levels & Participation Rates		NAEP Advanced %	NAEP Proficient %	NAEP Basic %	Below NAEP Basic %	Participating %
All Students	Oregon	7	21	28	44	98
	United States	8	24	29	39*	98
Economically Disadvantaged <sup>1</sup>	Oregon	7	21	28	44	~
	United States	3*	16*	28	52*	~
English Learners	Oregon	#	4	11	85	96
	United States	1	9*	23*	67*	95
Students with Disabilities	Oregon	3	7	14	75	88
	United States	1	8	17	74	89
Female	Oregon	8	23	28	41	99
	United States	9	25	30	36*	99
Male	Oregon	6	19	28	47	98
	United States	8	23*	28	42*	97
American Indian/Alaska Native (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	3	15	25	57	98
Asian (not of Hispanic origin)	Oregon	13	27	29	32	~
	United States	24	34	25	18*	~
Black (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	2	14	27	57	98
Hispanic origin	Oregon	2	11	22	65	97
	United States	4	17*	28	51*	97
Native Hawaiian or other Pacific Islander (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	5	16	28	50	~
Two or more races (not of Hispanic origin)	Oregon	8	23	28	41	97
	United States	9	27	31	33	98
White (not of Hispanic origin)	Oregon	8	25	30	37	99
	United States	11*	30*	31	28*	99

### Legend

<sup>1</sup>The Economically Disadvantaged student group is not comparable across Oregon and the United States for the 2021-22 school year. Oregon categorized almost all students as Economically Disadvantaged due to an expansion of the criteria for student eligibility for free or reduced price meals. See [Free and Reduced Price Lunch Eligibility](#) for details.

~ Not reported by U.S. Department of Education

# Rounds to zero

\* Value is significantly different from OR

## National Assessment of Educational Progress: Reading, Grade 8, 2022

2022 NAEP Grade 8 Reading Results Achievement Levels & Participation Rates		NAEP Advanced %	NAEP Proficient %	NAEP Basic %	Below NAEP Basic %	Participating %
All Students	Oregon	2	26	39	33	99
	United States	3*	26	39	32	98*
Economically Disadvantaged <sup>1</sup>	Oregon	2	26	39	33	~
	United States	1	17*	39	42*	~
English Learners	Oregon	#	2	12	85	95
	United States	#	5	26*	69*	93
Students with Disabilities	Oregon	#	4	21	75	94
	United States	#	6	24	70	90*
Female	Oregon	3	28	39	31	99
	United States	4	29	40	27	99*
Male	Oregon	2	24	40	35	99
	United States	3*	23	38	36	98*
American Indian/Alaska Native (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	1	17	37	45	99
Asian (not of Hispanic origin)	Oregon	7	36	30	28	~
	United States	12	44	30	14	~
Black (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	1	14	37	48	98
Hispanic origin	Oregon	1	16	36	48	99
	United States	1	19	40	40*	97*
Native Hawaiian or other Pacific Islander (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	2	22	39	36	~
Two or more races (not of Hispanic origin)	Oregon	2	23	43	32	98
	United States	5	28	38	29	99
White (not of Hispanic origin)	Oregon	3	30	41	26	99
	United States	4*	32	40	23	99*

### Legend

<sup>1</sup>The Economically Disadvantaged student group is not comparable across Oregon and the United States for the 2021-22 school year. Oregon categorized almost all students as Economically Disadvantaged due to an expansion of the criteria for student eligibility for free or reduced price meals. See [Free and Reduced Price Lunch Eligibility](#) for details.

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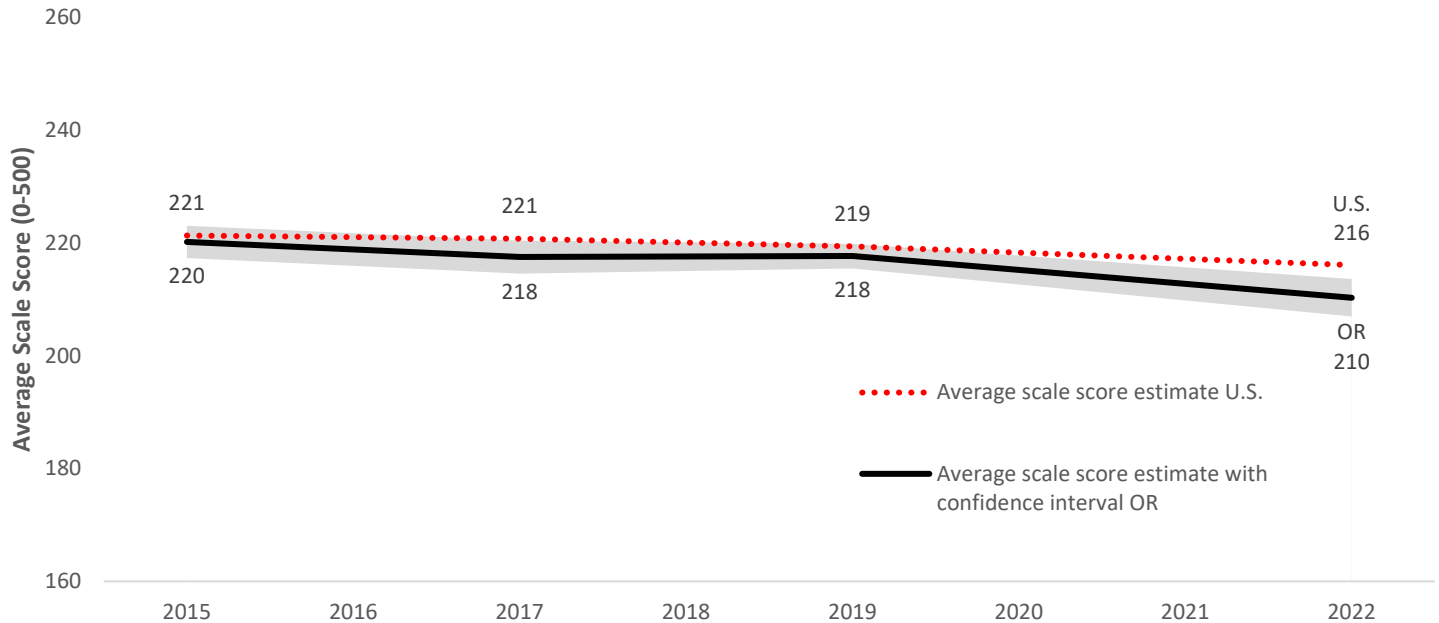
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## National Assessment of Educational Progress: Reading

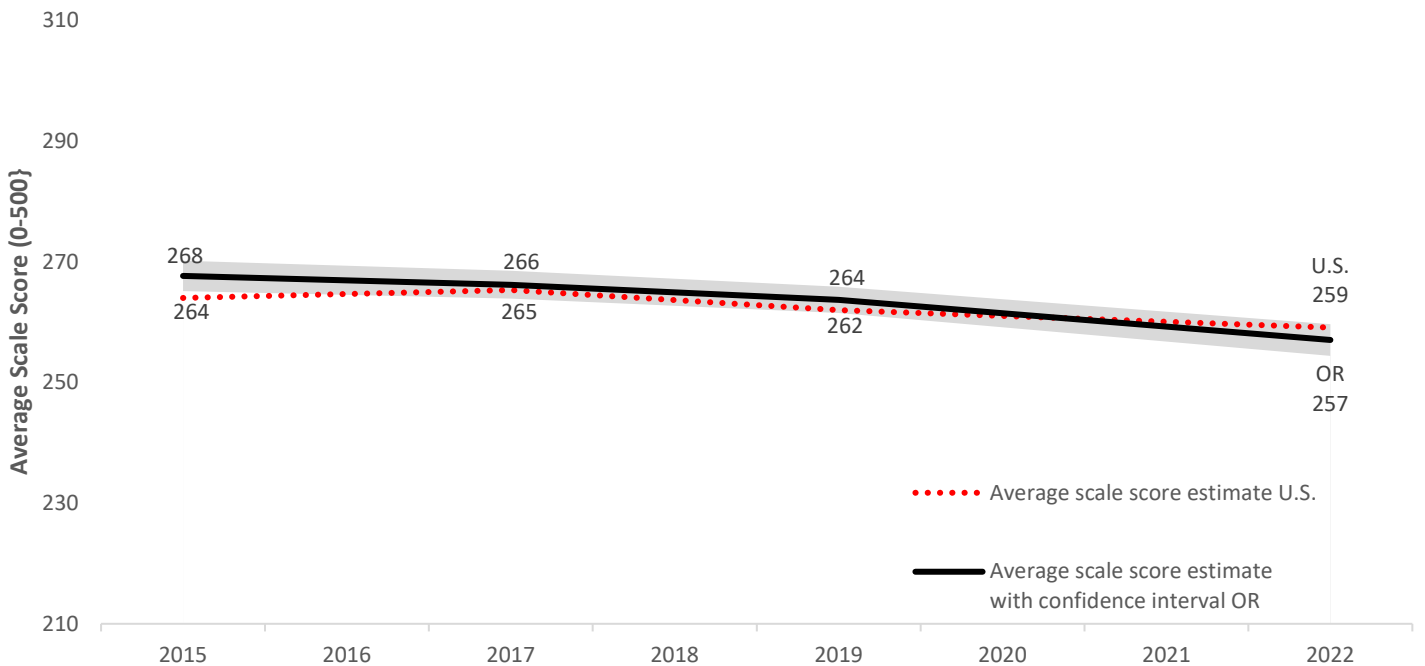
### Reading Grade 4 Average Scale Scores 2015 - 2022: Oregon and the Nation

In 2015, Oregon's 4th graders scored statistically the same as the nation's 4th graders. In 2022, Oregon's 4th graders scored 210, which was statistically lower than 4th graders in the nation's public schools (216).



### Reading Grade 8 Average Scale Scores 2015 - 2022: Oregon and the Nation

In 2015, Oregon's 8th graders scored statistically higher than the nation's 8th graders. In 2022, Oregon's 8th graders scored 257, which was statistically the same as 8th graders in the nation's public schools (259).



## National Assessment of Educational Progress: Mathematics, Grade 4, 2022

NAEP reports achievement levels and average scale scores. Average scale scores for math are expressed on a 0-500 scale. NAEP has three achievement levels: NAEP Basic, NAEP Proficient and NAEP Advanced. The [National Assessment Governing Board](#) defines the NAEP achievement levels as follows:

- NAEP Basic: Partial mastery of prerequisite knowledge and skills that are fundamental for performance at the NAEP Proficient level
- NAEP Proficient: Solid academic performance for each NAEP assessment. Students reaching this level have demonstrated competency over challenging subject matter, including subject-matter knowledge, application of such knowledge to real world situations, and analytical skills appropriate to the subject matter
- NAEP Advanced: Superior performance beyond NAEP Proficient

2022 NAEP Grade 4 Math Results Achievement Levels & Participation Rates		NAEP Advanced %	NAEP Proficient %	NAEP Basic %	Below NAEP Basic %	Participating %
All Students	Oregon	6	23	38	34	98
	United States	7*	28*	39	26*	98
Economically Disadvantaged <sup>1</sup>	Oregon	6	23	38	34	~
	United States	2*	18*	41*	38*	~
English Learners	Oregon	#	2	25	73	94
	United States	1	12	38*	48*	95
Students with Disabilities	Oregon	2	10	29	60	92
	United States	2	11	29	57	90
Female	Oregon	4	21	39	36	99
	United States	5	26*	41	28*	99
Male	Oregon	7	25	36	32	98
	United States	9*	30*	37	24*	98
American Indian/Alaska Native (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	3	16	40	42	99
Asian (not of Hispanic origin)	Oregon	17	29	33	20	~
	United States	25	39	27	9*	~
Black (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	1	13	39	46	98
Hispanic origin	Oregon	1	11	38	50	98
	United States	2	19*	42	37*	97
Native Hawaiian or other Pacific Islander (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	2	16	42	40	~
Two or more races (not of Hispanic origin)	Oregon	4	21	42	33	99
	United States	9	29*	39	23*	98
White (not of Hispanic origin)	Oregon	7	28	38	28	99
	United States	10*	37*	38	15*	99

### Legend

<sup>1</sup>The Economically Disadvantaged student group is not comparable across Oregon and the United States for the 2021-22 school year. Oregon categorized almost all students as Economically Disadvantaged due to an expansion of the criteria for student eligibility for free or reduced price meals. See [Free and Reduced Price Lunch Eligibility](#) for details.

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## National Assessment of Educational Progress: Mathematics, Grade 8, 2022

2022 NAEP Grade 8 Math Results Achievement Levels & Participation Rates		NAEP Advanced %	NAEP Proficient %	NAEP Basic %	Below NAEP Basic %	Participating %
All Students	Oregon	5	17	35	43	98
	United States	7*	19	35	40	98
Economically Disadvantaged <sup>1</sup>	Oregon	5	17	35	43	~
	United States	2*	11*	33	54*	~
English Learners	Oregon	1	1	13	85	90
	United States	#	4	20	76	94
Students with Disabilities	Oregon	2	3	16	78	93
	United States	1	4	17	78	91
Female	Oregon	4	15	36	45	99
	United States	6	18*	36	40	99
Male	Oregon	6	19	35	40	98
	United States	8	19	34	39	98
American Indian/Alaska Native (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	1	10	33	56	98
Asian (not of Hispanic origin)	Oregon	26	27	29	18	~
	United States	27	31	28	14	~
Black (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	1	8	29	62	98
Hispanic origin	Oregon	1	8	33	57	98
	United States	2	12*	34	52	98
Native Hawaiian or other Pacific Islander (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	5	10	31	54	~
Two or more races (not of Hispanic origin)	Oregon	9	21	32	37	99
	United States	6	21	36	37	99
White (not of Hispanic origin)	Oregon	5	21	37	37	99
	United States	9*	26*	38	28*	99

### Legend

<sup>1</sup>The Economically Disadvantaged student group is not comparable across Oregon and the United States for the 2021-22 school year. Oregon categorized almost all students as Economically Disadvantaged due to an expansion of the criteria for student eligibility for free or reduced price meals. See [Free and Reduced Price Lunch Eligibility](#) for details.

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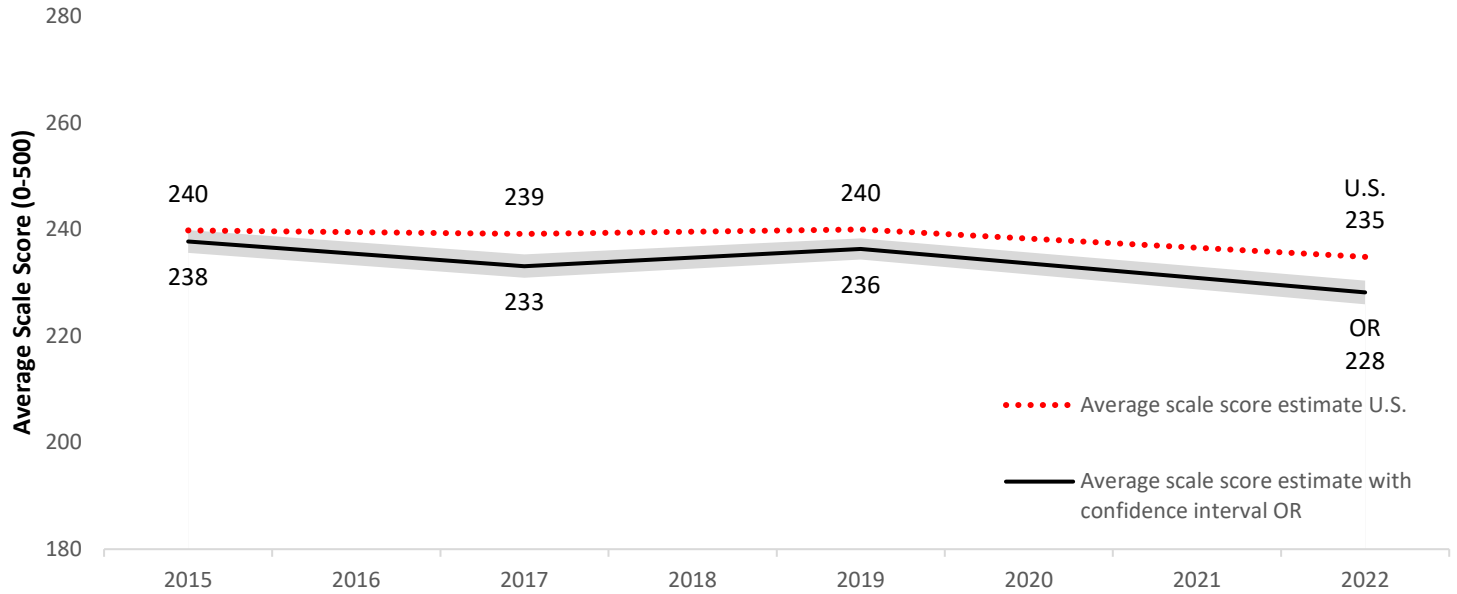
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# National Assessment of Educational Progress: Mathematics

## Math Grade 4 Average Scale Scores 2015 - 2022: Oregon and the Nation

In 2015, Oregon's 4th graders scored statistically the same as the nation's 4th graders. In 2022, Oregon's 4th graders scored 228, which was statistically lower than 4th graders in the nation's public schools (235).



## Math Grade 8 Average Scale Scores 2015 - 2022: Oregon and the Nation

In 2015, Oregon's 8th graders scored statistically the same as the nation's 8th graders. In 2022, Oregon's 8th graders scored 270, which was statistically lower than 8th graders in the nation's public schools (273).

