

NATIONAL COMPARISON OF STUDENT ACHIEVEMENT

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 4th and 8th 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 2018-2019 NAEP state mathematics and reading assessments. In 2019-2020, NAEP conducted national mathematics and reading long-term trend assessments of 9 year-olds, 13 year-olds, and 17 year-olds. Results for 9 and 13 year-olds are scheduled for release in late 2021, but the assessment of 17 year-olds was disrupted by the COVID-19 pandemic. For 2020-2021, NAEP plans to conduct national and state mathematics and reading assessments at grades 4 and 8 and to release results in Fall 2021.

National Assessment of Educational Progress: Reading, Grade 4, 2019

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 Achievement Levels:

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

2019 NAEP Grade 4 Reading Results Achievement Levels & Participation Rates		NAEP Advanced %	NAEP Proficient %	NAEP Basic %	Below Basic %	Participating %
All Students	Oregon	9	25	30	36	99
	United States	9	26	31	35	98*
Economically Disadvantaged	Oregon	4	19	31	46	~
	United States	3	18	31	48	~
English Learners	Oregon	#	2	14	84	97
	United States	1	8*	25*	65*	94*
Students with Disabilities	Oregon	3	10	16	71	94
	United States	2	8	16	74	88*
Female	Oregon	10	26	30	33	99
	United States	10	27	31	31	98*
Male	Oregon	8	23	30	39	99
	United States	7	24	30	38	97*
American Indian/Alaska Native (not of Hispanic origin)	Oregon	4	15	25	55	97
	United States	3	17	30	50	97
Asian (not of Hispanic origin)	Oregon	16	30	24	30	~
	United States	22	35	25	18	~
Black (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	3	15	30	53	97
Hispanic origin	Oregon	3	14	30	52	99
	United States	4	19*	31	46*	97*
Native Hawaiian or other Pacific Islander (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	4	20	31	45	~
Two or more races (not of Hispanic origin)	Oregon	13	34	27	26	99
	United States	11	29	32	28	98
White (not of Hispanic origin)	Oregon	11	28	31	31	99
	United States	12	32*	31	24*	99*

Legend

~ 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, 2019

2019 NAEP Grade 8 Reading Results Achievement Levels & Participation Rates		NAEP Advanced %	NAEP Proficient %	NAEP Basic %	Below Basic %	Participating %
All Students	Oregon	5	29	39	27	99
	United States	4	29	39	28	98*
Economically Disadvantaged	Oregon	2	22	41	36	~
	United States	1	18	40	40*	~
English Learners	Oregon	#	1	14	85	94
	United States	#	3	24*	73*	92
Students with Disabilities	Oregon	#	5	27	68	93
	United States	#	6	25	69	89*
Female	Oregon	6	33	37	24	99
	United States	5	33	39	23	99*
Male	Oregon	3	26	40	31	98
	United States	3	25	39	34	98*
American Indian/Alaska Native (not of Hispanic origin)	Oregon	1	30	37	33	99
	United States	1	19	41	40	98
Asian (not of Hispanic origin)	Oregon	12	41	32	14	~
	United States	13	43	30	13	~
Black (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	1	14	39	47	98
Hispanic origin	Oregon	2	19	40	40	98
	United States	1	20	40	38	97
Native Hawaiian or other Pacific Islander (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	2	23	38	38	~
Two or more races (not of Hispanic origin)	Oregon	8	34	38	20	99
	United States	5	31	40	24	99
White (not of Hispanic origin)	Oregon	5	34	39	22	99
	United States	5	36	39	19	98*

Legend

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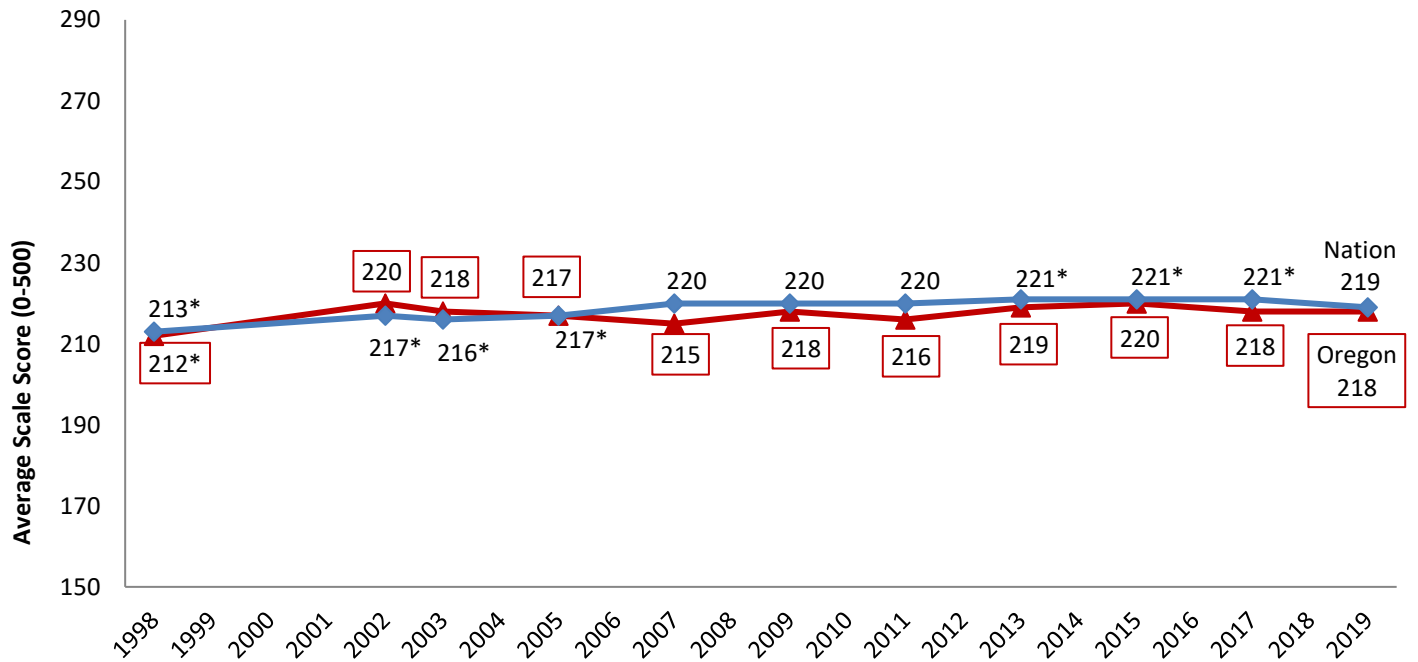
Achievement level results from the 2019 NAEP reading assessment revealed very similar outcomes for most groups of Oregon 4th graders compared to 4th graders in the nation's public schools. However, larger percentages of Oregon English Learners, Hispanic students and White students performed at the "Below Basic" level and smaller percentages performed at the "NAEP Proficient" level than their peers nationally. Also, a smaller percentage of Oregon English Learners scored at the "NAEP Basic" level than English Learners in the nation's public schools.

In 8th grade, most Oregon student groups had outcomes very similar to 8th graders in the nation's public schools. However, a smaller percentage of Oregon Economically Disadvantaged students performed at the "Below Basic" level than their peers nationally. A larger percentage of Oregon English Learners performed at the "Below Basic" level and a smaller percentage scored at the "NAEP Basic" level in comparison with their peers in the nation's public schools.

National Assessment of Educational Progress: Reading

Grade 4 Average Scale Scores 1998 - 2019: Oregon and the Nation

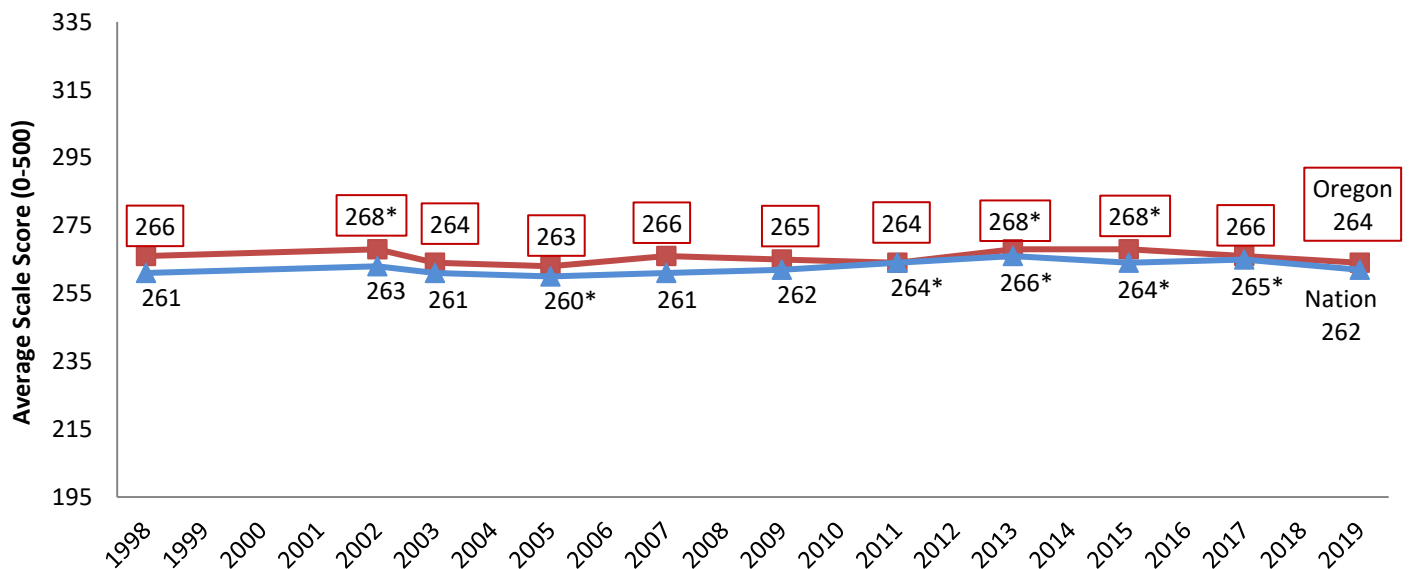
In 1998, Oregon's 4th graders scored statistically the same as the nation's 4th graders. In 2019, Oregon's 4th graders scored 218, which was statistically the same as 4th graders in the nation's public schools (219).



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Grade 8 Average Scale Scores 1998 - 2019: Oregon and the Nation

In 1998, Oregon's 8th graders scored statistically higher than the nation's 8th graders. In 2019, Oregon's 8th graders scored 264, which was statistically the same as 8th graders in the nation's public schools (262).



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National Assessment of Educational Progress: Mathematics, Grade 4, 2019

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 Achievement Levels:

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

2019 NAEP Grade 4 Math Results Achievement Levels & Participation Rates		NAEP Advanced %	NAEP Proficient %	NAEP Basic %	Below Basic %	Participating %
All Students	Oregon	9	29	38	25	99
	United States	9	32*	40	20*	98*
Economically Disadvantaged	Oregon	4	22	41	33	~
	United States	3	23	45*	29*	~
English Learners	Oregon	#	4	27	68	96
	United States	1	15*	43*	41*	95
Students with Disabilities	Oregon	3	13	28	56	93
	United States	2	12	31	55	89*
Female	Oregon	6	28	40	26	99
	United States	7	31	42	20*	99
Male	Oregon	11	29	36	24	99
	United States	10	33	38	20*	97*
American Indian/Alaska Native (not of Hispanic origin)	Oregon	1	19	34	46	100
	United States	4	22	43	32	99*
Asian (not of Hispanic origin)	Oregon	26	36	28	11	~
	United States	29	41	23	7	~
Black (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	2	18	45	35	98
Hispanic origin	Oregon	3	16	38	42	97
	United States	3	24*	45*	27*	97
Native Hawaiian or other Pacific Islander (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	5	24	40	30	~
Two or more races (not of Hispanic origin)	Oregon	4	22	45	28	100
	United States	10*	34*	40	17*	99*
White (not of Hispanic origin)	Oregon	11	34	38	17	99
	United States	12	40*	36	12*	99

Legend

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National Assessment of Educational Progress: Mathematics, Grade 8, 2019

2019 NAEP Grade 8 Math Results Achievement Levels & Participation Rates		NAEP Advanced %	NAEP Proficient %	NAEP Basic %	Below Basic %	Participating %
All Students	Oregon	10	22	36	33	99
	United States	10	23	35	32	98
Economically Disadvantaged	Oregon	4	16	36	44	~
	United States	3	15	36	46	~
English Learners	Oregon	#	1	10	89	93
	United States	1	4	22*	73*	93
Students with Disabilities	Oregon	1	4	21	74	91
	United States	1	5	20	74	91
Female	Oregon	9	22	36	32	99
	United States	9	24	36	31	99
Male	Oregon	10	21	35	34	98
	United States	10	23	34	33	98
American Indian/Alaska Native (not of Hispanic origin)	Oregon	4	9	47	40	96
	United States	3	13	37	48	99
Asian (not of Hispanic origin)	Oregon	32	25	26	17	~
	United States	33	31	24	12	~
Black (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	2	11	33	54	98
Hispanic origin	Oregon	3	11	31	55	98
	United States	3	16*	37*	43*	98
Native Hawaiian or other Pacific Islander (not of Hispanic origin)	Oregon	~	~	~	~	~
	United States	4	15	34	47	~
Two or more races (not of Hispanic origin)	Oregon	15	25	35	24	98
	United States	11	25	36	28	99
White (not of Hispanic origin)	Oregon	11	27	38	25	99
	United States	13	30*	36	21*	99

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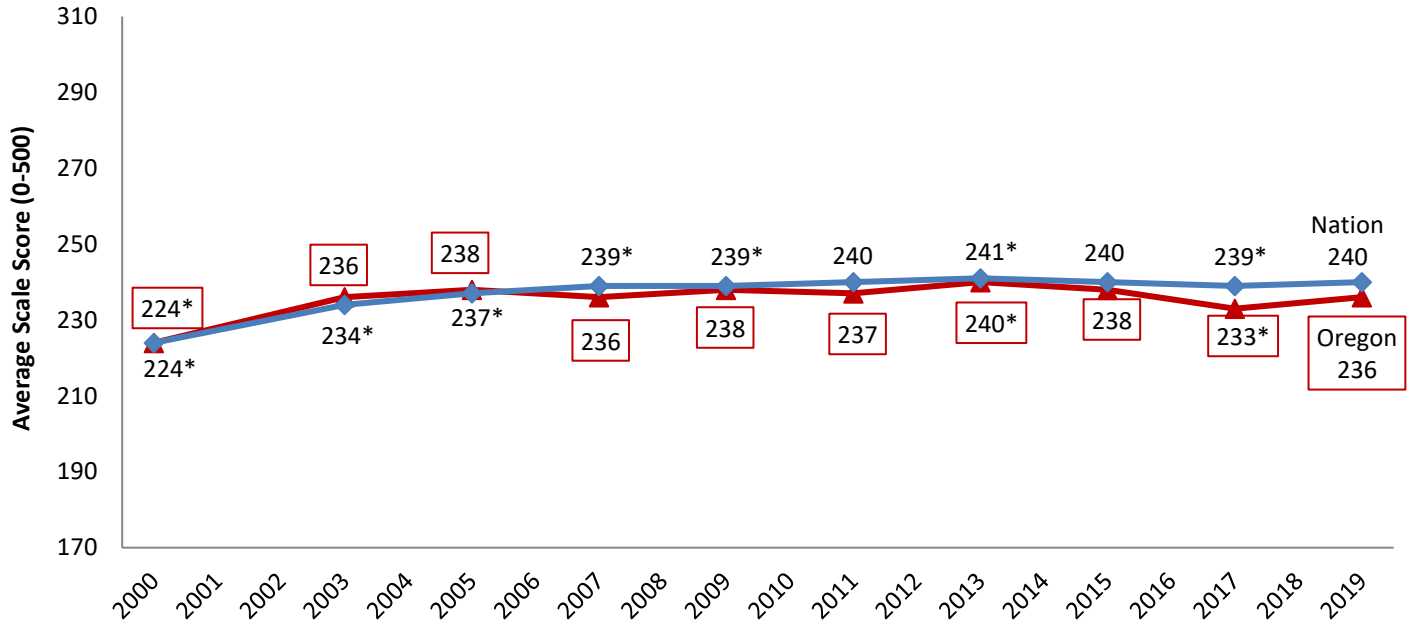
Achievement level results from the 2019 NAEP mathematics assessment show that larger percentages of all Oregon 4th graders, Economically Disadvantaged students, English Learners, Female students, Male students, Hispanic students, students of two or more races, and White students performed at the "Below Basic" level than their peers in the nation's public schools. Smaller percentages of Oregon Economically Disadvantaged students, English Learners and Hispanic students scored at the "NAEP Basic" level than their peers nationally. Smaller percentages of all Oregon 4th graders, English Learners, Hispanic students, students of two or more races, and White students performed at the "NAEP Proficient" level, and a smaller percentage of Oregon students of two or more races scored at the "NAEP Advanced" level, than their peers in the nation's public schools.

In 8th grade, larger percentages of Oregon English Learners, Hispanic students, and White students performed at the "Below Basic" level than their peers in the nation's public schools. Smaller percentages of Oregon English Learners and Hispanic students scored at the "NAEP Basic" level, and smaller percentages of Oregon Hispanic students and White students performed at the "NAEP Proficient" level, than their peers nationally.

National Assessment of Educational Progress: Mathematics

Grade 4 Average Scale Scores 2000 - 2019: Oregon and the Nation

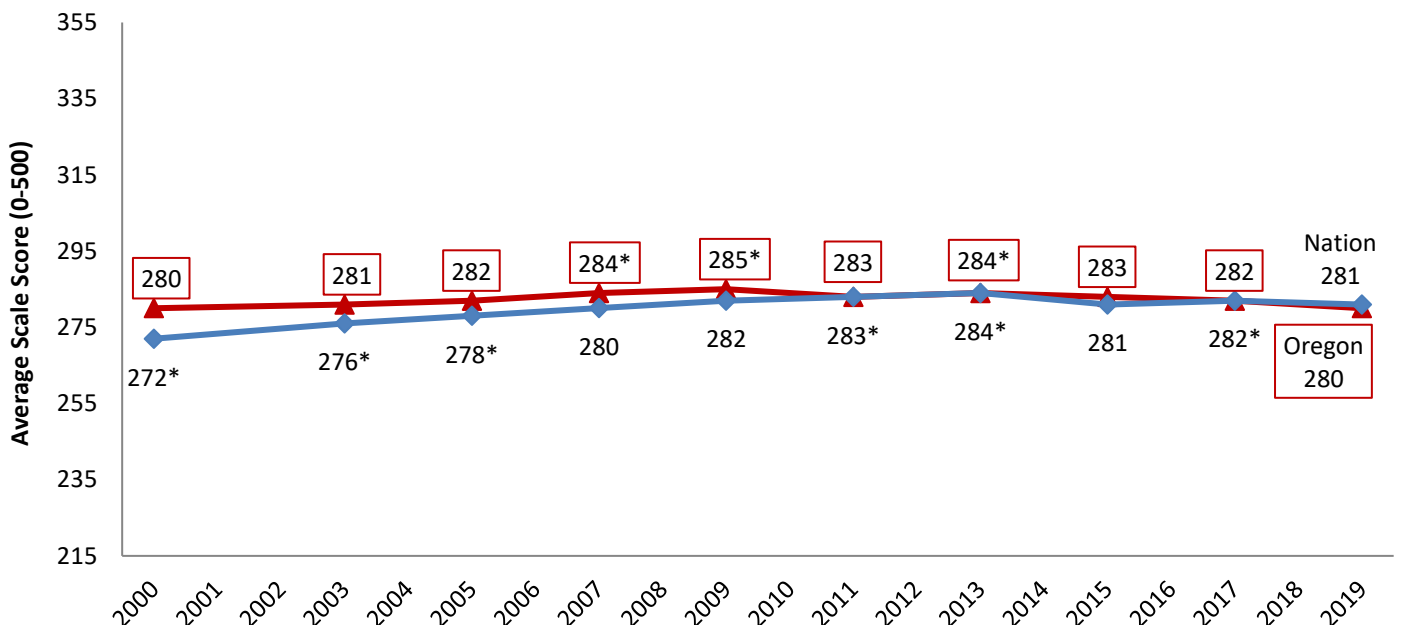
In 2000, Oregon's 4th graders scored statistically the same as the nation's 4th graders. In 2019, Oregon's 4th graders scored 236, which was statistically lower than 4th graders in the nation's public schools (240).



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Grade 8 Average Scale Scores 2000 - 2019: Oregon and the Nation

In 2000, Oregon's 8th graders scored statistically higher than the nation's 8th graders. In 2019, Oregon's 8th graders scored 280, which was statistically the same as 8th graders in the nation's public schools (281).



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