Oregon Extended Analyses: 2019

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Oregon Department of Education

2018-2019 Technical Report

Oregon's Alternate Assessment System

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It is the policy of the State Board of Education and a priority of the Oregon Department of Education that there will be no discrimination or harassment on the grounds of race, color, religion, sex, sexual orientation, national origin, age or disability in any educational programs, activities or employment. Persons having questions about equal opportunity and nondiscrimination should contact the Deputy Superintendent of Public Instruction with the Oregon Department of Education.

This technical report is one of a series that describes the development of Oregon's Statewide Assessment System. The complete set of volumes provides comprehensive documentation of the development, procedures, technical adequacy, and results of the system.

Peer Review Critical Elements Reference Tables

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	Critical Elements	
	Critical Element 1 - Statewide system of standards and assessments	
1.1 State adoption of	The State formally adopted challenging academic content standards for all students in	
academic content	reading/language arts, mathematics and science and applies its academic content standards	
standards for all	to all public elementary and secondary schools and students in the State.	
students		
1.2 Coherent and	The State's academic content standards in reading/language arts, mathematics and science	
rigorous academic	specify what students are expected to know and be able to do by the time they graduate	
content standards	from high school to succeed in college and the workforce; contain content that is coherent	
	(e.g., within and across grades) and rigorous; encourage the teaching of advanced skills; and	
	were developed with broad stakeholder involvement.	
1.3 Required	The State's assessment system includes annual general and alternate assessments (based on	
Assessments	grade-level academic achievement standards or alternate academic achievement standards)	
	in: Reading/language arts and mathematics in each of grades 3-8 and at least once in high	
	school (grades 10-12); Science at least once in each of three grade spans (3-5, 6-9 and 10-	
	12).	
1.4 Policies for	The State requires the inclusion of all public elementary and secondary school students in its	
including all students in	assessment system and clearly and consistently communicates this requirement to districts	
assessments	and schools.	
	For students with disabilities, policies state that all students with disabilities in the State,	
	including students with disabilities publicly placed in private schools as a means of providing	
	special education and related services, must be included in the assessment system;	
	For English Learners:	
	A) Policies state that all English learners must be included in the assessment system,	
	unless the State exempts a student who has attended schools in the U.S. for less	
	than 12 months from one administration of its reading/ language arts assessment;	
	B) If the State administers native language assessments, the State requires English	
	learners to be assessed in reading/language arts in English if they have been enrolled	
	in U.S. schools for three or more consecutive years, except if a district determines,	
	on a case-by-case basis, that native language assessments would yield more accurate	
	and reliable information, the district may assess a student with native language	
1.F. Doubleinstian Data	assessments for a period not to exceed two additional consecutive years.	
1.5 Participation Data	The State's participation data show that all students, disaggregated by student group and	
	assessment type, are included in the State's assessment system. In addition, if the State	
	administers end-of-course assessments for high school students, the State has procedures in place for ensuring that each student is tested and counted in the calculation of participation	
	rates on each required assessment and provides the corresponding data.	

	Critical Element 2 - Assessment system operations	
2.1 Test Design and	The State's test design and test development process is well-suited for the content, is	
Development	technically sound, aligns the assessments to the full range of the State's academic content standards, and includes:	
	A) Statement(s) of the purposes of the assessments and the intended interpretations	
	and uses of results;	
	B) Test blueprints that describe the structure of each assessment in sufficient detail to	
	support the development of assessments that are technically sound, measure the	
	full range of the State's grade-level academic content standards, and support the	
	intended interpretations and uses of the results;	
	C) Processes to ensure that each assessment is tailored to the knowledge and skills	
	included in the State's academic content standards, reflects appropriate inclusion of	
	challenging content, and requires complex demonstrations or applications of	
	knowledge and skills (i.e., higher-order thinking skills);	
	D) If the State administers computer-adaptive assessments, the item pool and item	
	selection procedures adequately support the test design.	
2.2 Item Development	The State uses reasonable and technically sound procedures to develop and select items to	
	assess student achievement based on the State's academic content standards in terms of	
	content and cognitive process, including higher-order thinking skills.	
2.3 Test Administration	The State implements policies and procedures for standardized test administration,	
	specifically the State:	
	A) Has established and communicates to educators clear, thorough and consistent	
	standardized procedures for the administration of its assessments, including administration with accommodations;	
	B) Has established procedures to ensure that all individuals responsible for	
	administering the State's general and alternate assessments receive training on the	
	State's established procedures for the administration of its assessments;	
	C) If the State administers technology-based assessments, the State has defined	
	technology and other related requirements, included technology-based test	
	administration in its standardized procedures for test administration, and	
	established contingency plans to address possible technology challenges during test	
	administration.	
2.4 Monitoring test	The State adequately monitors the administration of its State assessments to ensure that	
administration	standardized test administration procedures are implemented with fidelity across districts	
	and schools.	
2.5 Test Security	The State has implemented and documented an appropriate set of policies and procedures	
	to prevent test irregularities and ensure the integrity of test results through:	
	A) Prevention of any assessment irregularities, including maintaining the security of test	
	materials, proper test preparation guidelines and administration procedures,	
	incident-reporting procedures, consequences for confirmed violations of test	
	security, and requirements for annual training at the district and school levels for all	
	individuals involved in test administration; B) Detection of test irregularities;	
	C) Remediation following any test security incidents involving any of the State's	
	assessments;	
	D) Investigation of alleged or factual test irregularities.	
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2.6 Systems for	The State has policies and procedures in place to protect the integrity and confidentiality of
protecting data	its test materials, test-related data, and personally identifiable information, specifically:
integrity and privacy	A) To protect the integrity of its test materials and related data in test development,
	administration, and storage and use of results;
	B) To secure student-level assessment data and protect student privacy and
	confidentiality, including guidelines for districts and schools;
	C) To protect personally identifiable information about any individual student in
	reporting, including defining the minimum number of students necessary to allow
	reporting of scores for all students and student groups.
	Critical Element 3 - Technical quality - validity
3.1 Overall validity,	The State has documented adequate overall validity evidence for its assessments, and the
including validity based	State's validity evidence includes evidence that the State's assessments measure the
on content	knowledge and skills specified in the State's academic content standards, including: A) Documentation of adequate alignment between the State's assessments and the
	academic content standards the assessments are designed to measure in terms of
	content (i.e., knowledge and process), the full range of the State's academic content
	standards, balance of content, and cognitive complexity;
	B) If the State administers alternate assessments based on alternate academic
	achievement standards, the assessments show adequate linkage to the State's
	academic content standards, the assessments show adequate mixage to the state's academic content standards in terms of content match (i.e., no unrelated content)
	and the breadth of content and cognitive complexity determined in test design to be
	and the breadth of content and cognitive complexity determined in test design to be appropriate for students with the most significant cognitive disabilities.
3.2 Validity based on	The State has documented adequate validity evidence that its assessments tap the intended
cognitive processes	cognitive processes appropriate for each grade level as represented in the State's academic
cognitive processes	content standards.
3.3 Validity based on	The State has documented adequate validity evidence that the scoring and reporting
internal structure	structures of its assessments are consistent with the sub-domain structures of the State's
internal structure	academic content standards on which the intended interpretations and uses of results are
	based.
3.4 Validity based on	The State has documented adequate validity evidence that the State's assessment scores
relations to other	are related as expected with other variables.
variables	·
	Critical Element 4 - Technical quality - other
4.1 Reliability	The State has documented adequate reliability evidence for its assessments for the
,	following measures of reliability for the State's student population overall and each student
	group and, if the State's assessments are implemented in multiple States, for the
	assessment overall and each student group, including:
	Test reliability of the State's assessments estimated for its student population;
	Overall and conditional standard error of measurement of the State's assessments;
	Consistency and accuracy of estimates in categorical classification decisions for the cut
	scores and achievement levels based on the assessment results;
	For computer-adaptive tests, evidence that the assessments produce test forms with
	adequately precise estimates of a student's achievement.
4.2 Fairness and	The State has taken reasonable and appropriate steps to ensure that its assessments are
accessibility	accessible to all students and fair across student groups in the design, development and
accessionity	analysis of its assessments.
4.3 Full performance	The State has ensured that each assessment provides an adequately precise estimate of
continuum	student performance across the full performance continuum, including for high- and low-
Continuum	achieving students.
	demoving stadents.

4.4 Scoring	The State has established and documented standardized scoring procedures and protocols
	for its assessments that are designed to produce reliable results, facilitate valid score
	interpretations, and report assessment results in terms of the State's academic achievement
	standards.
4.5 Multiple assessment	If the State administers multiple forms within a content area and grade level, within or
forms	across school years, the State ensures that all forms adequately represent the State's
	academic content standards and yield consistent score interpretations such that the forms
	are comparable within and across school years.
4.6 Multiple versions of	If the State administers assessments in multiple versions within a content area, grade level,
an assessment	or school year, the State:
	A) Followed a design and development process to support comparable interpretations
	of results for students tested across the versions of the assessments;
	B) Documented adequate evidence of comparability of the meaning and
	interpretations of the assessment results.
4.7 Technical analyses	The State has a system for monitoring and maintaining, and improving as needed, the
and ongoing	quality of its assessment system, including clear and technically sound criteria for the
maintenance	analyses of all of the assessments in its assessment system (i.e., general assessments and
	alternate assessments).
	Critical Element 5 - Inclusion of all students
5.1 Procedures for	The State has in place procedures to ensure the inclusion of all public elementary and
including SWDs	secondary school students with disabilities in the State's assessment system, including, at a
	minimum, guidance for IEP Teams to inform decisions about student assessments that:
	A) Provides clear explanations of the differences between assessments based on grade-
	level academic achievement standards and assessments based on alternate
	academic achievement standards, including any effects of State and local policies on
	a student's education resulting from taking an alternate assessment based on
	alternate academic achievement standards;
	B) States that decisions about how to assess students with disabilities must be made by
	a student's IEP Team based on each student's individual needs;
	C) Provides guidelines for determining whether to assess a student on the general
	assessment without accommodation(s), the general assessment with
	accommodation(s), or an alternate assessment;
	D) Provides information on accessibility tools and features available to students in
	general and assessment accommodations available for students with disabilities;
	E) Provides guidance regarding selection of appropriate accommodations for students
	with disabilities;
	F) Includes instructions that students eligible to be assessed based on alternate
	academic achievement standards may be from any of the disability categories listed
	in the IDEA;
	G) Ensures that parents of students with the most significant cognitive disabilities are
	informed that their student's achievement will be based on alternate academic
	achievement standards and of any possible consequences of taking the alternate
	assessments resulting from district or State policy (e.g., ineligibility for a regular high
	school diploma if the student does not demonstrate proficiency in the content area
	on the State's general assessments);
	H) The State has procedures in place to ensure that its implementation of alternate
	academic achievement standards for students with the most significant cognitive
	disabilities promotes student access to the general curriculum.
	and a promotes student decess to the general curriculum.

5.2 Procedures for	The State has in place procedures to ensure the inclusion of all English learners in public
including ELs	elementary and secondary schools in the State's assessment system and clearly
	communicates this information to districts, schools, teachers, and parents, including, at a
	minimum:
	A) Procedures for determining whether an English learner should be assessed with
	accommodation(s);
	B) Information on accessibility tools and features available to all students and
	assessment accommodations available for English learners;
	C) Guidance regarding selection of appropriate accommodations for English learners.
5.3 Accommodations	The State makes available appropriate accommodations and ensures that its assessments
	are accessible to students with disabilities and English learners. Specifically, the State:
	A) Ensures that appropriate accommodations are available for students with disabilities
	under IDEA and students covered by Section 504;
	B) Ensures that appropriate accommodations are available for English learners;
	C) Has determined that the accommodations it provides (i) are appropriate and
	effective for meeting the individual student's need(s) to participate in the
	assessments, (ii) do not alter the construct being assessed, and (iii) allow meaningful
	interpretations of results and comparison of scores for students who need and
	receive accommodations and students who do not need and do not receive
	accommodations;
	D) Has a process to individually review and allow exceptional requests for a small
	number of students who require accommodations beyond those routinely allowed.
5.4 Monitoring test	The State monitors test administration in its districts and schools to ensure that appropriate
administration for	assessments, with or without appropriate accommodations, are selected for students with
special populations	disabilities under IDEA, students covered by Section 504, and English learners so that they
	are appropriately included in assessments and receive accommodations that are:
	A) Consistent with the State's policies for accommodations;
	B) Appropriate for addressing a student's disability or language needs for each
	assessment administered;
	C) Consistent with accommodations provided to the students during instruction and/or
	practice;
	D) Consistent with the assessment accommodations identified by a student's IEP Team
	or 504 team for students with disabilities, or another process for an English learner;
	E) Administered with fidelity to test administration procedures.
	Critical Element 6 - Academic achievement standards and reporting
6.1 State adoption of	The State formally adopted challenging academic achievement standards in
academic achievement	reading/language arts, mathematics and in science for all students, specifically:
standards for all	A) The State formally adopted academic achievement standards in the required tested
students	grades and, at its option, also alternate academic achievement standards for
	students with the most significant cognitive disabilities;
	B) The State applies its grade-level academic achievement standards to all public
	elementary and secondary school students enrolled in the grade to which they apply,
	with the exception of students with the most significant cognitive disabilities to
	whom alternate academic achievement standards may apply;
	C) The State's academic achievement standards and, as applicable, alternate academic
	achievement standards, include: (a) At least three levels of achievement, with two
	for high achievement and a third for lower achievement; (b) descriptions of the
	competencies associated with each achievement level; and (c) achievement scores
	that differentiate among the achievement levels.

6.2 Achievement	The State used a technically sound method and process that involved panelists with
standard setting	appropriate experience and expertise for setting its academic achievement standards and
	alternate academic achievement standards to ensure they are valid and reliable.
6.3 Challenging and	The State's academic achievement standards are challenging and aligned with the State's
aligned academic	academic content standards such that a high school student who scores at the proficient or
achievement standards	above level has mastered what students are expected to know and be able to do by the
	time they graduate from high school in order to succeed in college and the workforce.
	If the State has defined alternate academic achievement standards for students with the
	most significant cognitive disabilities, the alternate academic achievement standards are
	linked to the State's grade-level academic content standards or extended academic content
	standards, show linkage to different content across grades, and reflect professional
	judgment of the highest achievement standards possible for students with the most
	significant cognitive disabilities.
6.4 Reporting	The State reports its assessment results, and the reporting facilitates timely, appropriate,
	credible, and defensible interpretations and uses of results for students tested by parents,
	educators, State officials, policymakers and other stakeholders, and the public, including:
	A) The State reports to the public its assessment results on student achievement at
	each proficiency level and the percentage of students not tested for all students and
	each student group after each test administration;
	B) The State reports assessment results, including itemized score analyses, to districts
	and schools so that parents, teachers, principals, and administrators can interpret
	the results and address the specific academic needs of students, and the State also
	provides interpretive guides to support appropriate uses of the assessment results;
	C) The State provides for the production and delivery of individual student interpretive,
	descriptive, and diagnostic reports after each administration of its assessments that:
	 Provide valid and reliable information regarding a student's achievement;
	2) Report the student's achievement in terms of the State's grade-level
	academic achievement standards (including performance-level descriptors);
	3) Provide information to help parents, teachers, and principals interpret the
	test results and address the specific academic needs of students;
	4) Are available in alternate formats (e.g., Braille or large print) upon request
	and, to the extent practicable, in a native language that parents can
	understand;
	5) The State follows a process and timeline for delivering individual student
	reports to parents, teachers, and principals as soon as practicable after each
	test administration.

Overview

This document provides updated technical adequacy documentation for the Oregon Extended Assessment (ORExt), which is Oregon's alternate assessment based on alternate academic achievement standards (AA-AAAS). The documentation includes test design and development, technical characteristics of the assessments, and their uses, and impact in providing proficiency data on grade level state standards as part of the mandates from the Every Student Succeeds Act of 2015 (ESSA).

The ORExt assessments were redesigned in 2014-15, including a vertical scale in Grades 3-8 in English language arts and mathematics to support eventual determinations of student growth over time. The test is aligned to Essentialized Standards (EsSt) that are part of comprehensive Essentialized Assessment Frameworks (EAFs) that were written at three levels of complexity (low, medium, and high). The EsSt have been linked to grade level content and expectations, but systematically reduced in terms of depth, breadth, and complexity (RDBC). All ORExt items employed in the 2018-19 ORExt administration, with the exception of Grade 7 Math field test items, were developed in 2014-15. Based on student performance from the 2016-2017 testing year, new and Grade 7 Math field test items were written in fall 2017.

A statewide sample of Oregon general and special education teachers have reviewed all test items for: 1) alignment to the EAFs, 2) accessibility for students with significant cognitive disabilities, 3) sensitivity, and 4) bias. All operational items met the established criteria. In addition, Achievement Level Descriptors (ALDs) were also reviewed for alignment to the EsSt. See Sections 1.1, 1.2, 6.1, and 6.3 for additional information related to the comprehensive grade level standards to EsSt linkage, as well as alignment of items to the EsSt.

The ORExt test design supports student access, including access to read aloud for directions and prompts, presentation of one item per page, and items designed at three levels of complexity where the low level complexity items include graphic and/or object support. For assessors, the scoring process has also been simplified, with answers being either correct (1) or incorrect (0). Partial credit is no longer part of the scoring metric for the ORExt. In addition, the one item per page format not only increases student ability to focus attention, but also reduces the burden on assessors to mask items that are not being tested. The field appears to have been appreciative of the redesign, particularly the Essentialized Standards and new access and efficiency features.

In addition to developing and reviewing/editing over 5,000 new items, conducting an operational field test, and developing a vertical scale, the development of a new ORExt required that new Alternate Academic Achievement Standards (AAAAS) be developed and approved. Comprehensive Standard Setting meetings were conducted on June 15-17, 2015, which were then approved by the Oregon State Board of Education on June 25, 2015, including new achievement level descriptors (ALDs) and cut scores for the assessments. Comprehensive Annual Measurable Objective (AMO) reports were finalized on July 10, 2015.

Though an alignment study was conducted in the fall of 2014 as described above, Non-Regulatory Guidance from the U.S. Department of Education, published on September 25, 2015, included an expectation that all alignment studies must be independent (see Critical Element 3.1). An independent contractor, Dr. Dianna Carrizales, was therefore hired to perform an additional alignment study in the spring of 2017.

A two year pilot tablet study was conducted in the 2015-2016 and 2016-17 school years. Over the two year study, 26 students were administered all subject areas of the ORExt in tablet format in grades 5, 8, and 11. The 2017-18 school year marked the first year the ORExt was available in tablet/online format for all grades in all subject areas.

As part of our five-year technical documentation plan, which included the independent alignment study, pilot tablet administration study, and launch of the full tablet administration, an inter-rater reliability study was also conducted in 2017-18. The inter-rater reliability study included 33 Qualified Trainers from around the state who participated by doing at least one Qualified Assessor observation on the Oregon Extended Assessment via paper/pencil administration. As part of the five-year plan, following the 2018-19 test administration, an analyses of the impact of accommodations was conducted.

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

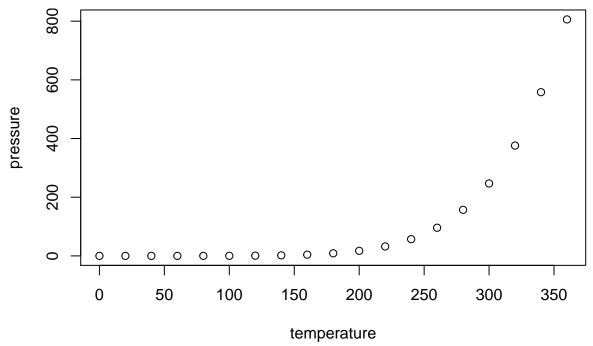
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

```
##
        speed
                         dist
##
            : 4.0
                               2.00
    Min.
                    Min.
                            :
                    1st Qu.: 26.00
    1st Qu.:12.0
##
##
    Median:15.0
                    Median: 36.00
            :15.4
                            : 42.98
##
    Mean
                    Mean
    3rd Qu.:19.0
                    3rd Qu.: 56.00
##
    Max.
            :25.0
                    Max.
                            :120.00
```

Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.