

## Oregon Statewide Assessment System

### 2020 – 2021 Mathematics Summative Assessment Blueprint

In the event that summative test administration is possible, the Oregon Department of Education (ODE) is revising the summative assessment blueprint for the 2020-21 academic year. The primary purpose of these revisions is to account for the unique situation which has impacted Oregon educators, students, and families during the COVID-19 pandemic. These changes will maximize instructional time for students and educators by reducing time required for summative assessments. The blueprint reduction does not significantly reduce the validity and reliability of student results.

Across all grade levels, most students can anticipate a reduction in overall testing time of 3 hours and 30 minutes, with the 2020-21 math summative assessment predicted to take about 60 minutes.

A detailed blueprint that includes target sampling and depth of knowledge (DOK) levels can be found on the [Mathematics Assessment Webpage](#).

### Comparison between 2019-20 OSAS Mathematics Full Test Blueprint (CAT + PT) and 2020-21 Mathematics Shortened CAT Blueprint

Table 1. Mathematics Summative Assessment Blueprint for Claim 1

Grade Level	Cluster	CAT Items in Short BP	CAT Items in Full BP	Grade Level	Cluster	CAT Items in Short BP	CAT Items in Full BP
<b>Grades 3, 4, 5</b>	<b>Overall</b>	<b>12</b>	17-20	<b>Grades 7, 8</b>	<b>Overall</b>	<b>12</b>	16-20
	Priority	<b>9</b>	13-15		Priority	<b>9</b>	12-15
	Supporting	<b>3</b>	4-5		Supporting	<b>3</b>	4-5
	DOK 2+	<b>≥ 4</b>	≥ 7		DOK 2+	<b>≥ 4</b>	≥ 7
<b>Grade 6</b>	<b>Overall</b>	<b>12</b>	16-19	<b>Grade 11</b>	<b>Overall</b>	<b>14</b>	19-22
	Priority	<b>9</b>	12-15		Priority	<b>10</b>	14-16
	Supporting	<b>3</b>	4-5		Supporting	<b>4</b>	5-6
	DOK 2+	<b>≥ 4</b>	≥ 7		DOK 2+	<b>≥ 4</b>	≥ 7

Table 2. Mathematics Summative Assessment Blueprints for Claims 2, 3, and 4

Grade Level	Claim	CAT Items in Short BP	CAT Items in Full BP
<b>All Grades</b>	<b>Claim 2&amp;4</b>	<b>5</b>	6
	DOK 3+	<b>≥ 2</b>	≥ 2
	<b>Claim 3</b>	<b>5</b>	7
	DOK 3+	<b>≥ 2</b>	≥ 2

**Summary of changes:**

- The Performance Task has been removed from the 2020-21 summative assessment blueprint.
- The number of items on the Computer Adaptive Test (CAT) has been reduced by about 40% for 2020-21.
- Items in the shortened blueprint are proportionally distributed between priority and supporting clusters when compared to the full blueprint.
- The number of Claim 1 DOK 2+ items and Claim 2-4 DOK 3+ items is proportional across the blueprints.

**Key:**

- CAT = Computer Adaptive Test
- PT = Performance Task
- BP = Blueprint
- DOK = Depth of Knowledge

**Math Content Claims:**

- Claim 1: Concepts and Procedures
- Claim 2: Problem Solving
- Claim 3: Communicating Reasoning
- Claim 4: Modeling and Data Analysis

*For more information, please contact Andrew Byerley, Mathematics Assessment Specialist, at [andrew.byerley@state.or.us](mailto:andrew.byerley@state.or.us).*