

## Oregon Statewide Assessment System 2020 – 2021 Mathematics Summary Update: Removal of Performance Task to Enhanced Computer Adaptive Test (CAT)

The Oregon Department of Education (ODE) is implementing the following Mathematics test blueprint changes at grades 3-8 and high school for the 2020 – 21 instructional year. The purpose of these changes within the Mathematics test blueprint is to account for the unique situation which has impacted Oregon educators, students, and families during the Covid-19 pandemic. These changes will further support maximizing instructional time for students and educators and will greatly impact overall and content specific testing time. While there will be a reduction of testing time, ODE will be able to retain comparable validity and reliability of the full test.

Testing times are projected to have an **overall** reduction of 3 hours and 30 minutes. In isolation, ELA will account for 2 hours and 30 minutes of the overall reduced testing time and mathematics will account for 1 hour of the overall reduced testing time. This testing time is approximated across all assessed grade.

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

**Table 1. Mathematics Test Blueprints for Claim 1**

| Content            | G3<br>CAT | Content            | G4<br>CAT | Content            | G5<br>CAT  | Content            | G6<br>CAT |
|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|-----------|
| Overall            | 17–20     | Overall            | 17–20     | Overall            | 17–20      | Overall            | 16–20     |
| Priority Cluster   | 13–15     | Priority Cluster   | 13–15     | Priority Cluster   | 13–15      | Priority Cluster   | 12–15     |
| Supporting Cluster | 4–5       | Supporting Cluster | 4–5       | Supporting Cluster | 4–5        | Supporting Cluster | 4–5       |
| Content            | G7<br>CAT | Content            | G8<br>CAT | Content            | G11<br>CAT |                    |           |
| Overall            | 16–20     | Overall            | 16–20     | Overall            | 19–22      |                    |           |
| Priority Cluster   | 12–15     | Priority Cluster   | 12–15     | Priority Cluster   | 14–16      |                    |           |
| Supporting Cluster | 4–5       | Supporting Cluster | 2–3       | Supporting Cluster | 5–6        |                    |           |

#### Summary of changes:

A. Claim 1 Concepts and Procedures will have **no changes** from 2019-20 OSAS Mathematics Blueprint to the 2020-21 Mathematics Enhanced CAT Blueprint.

**Table 2. Mathematics Test Blueprints for Claims 2, 3, and 4**

• **Test Blueprints in Mathematics (*Grades 3 - 5*) and (*Grades 7 & 8*)**

| Claim  | Content         | 2019 – 20 OSAS Mathematics |     | 2020 – 21 Mathematics Enhanced CAT |
|--|-----------------|----------------------------|-----|------------------------------------|
|  |                 | CAT                        | PT  | CAT                                |
| 2 Problem Solving & 4 Modeling and Data Analysis | Overall         | 6                          | 2-4 | 8                                  |
|  | DOK 3 or Higher | ≥ 2                        |     | ≥ 4                                |
| 3 Communicating Reasoning                        | Overall         | 8                          | 0-2 | 8                                  |
|  | DOK 3 or Higher | ≥ 2                        |     | ≥ 3                                |

**Summary of changes:**

- A. 2019-20 OSAS Mathematics PT items removed from 2020 -21 Mathematics Enhanced CAT Blueprint
- Claim 2 Problem Solving & Claim 4 Modeling and Data Analysis (machine scored items) from 2019-20 OSAS Mathematics Blueprint **increases from 6 to 8 (machine scored items)** in 2020-21 Mathematics Enhanced CAT Blueprint.*
  - Claim 2 Problem Solving & Claim 4 Modeling and Data Analysis (**DOK 3 items**) from 2019-20 OSAS Mathematics Blueprint **increases from ≥ 2 to ≥ 4 (machine scored items)** in 2020-21 Mathematics Enhanced CAT Blueprint.*
  - Claim 3 Communicating Reasoning (**DOK 3 items**) from 2019-20 OSAS Mathematics Blueprint **increases from ≥ 2 to ≥ 3 (machine scored items)** in 2020-21 Mathematics Enhanced CAT Blueprint.*

• **Test Blueprints in Mathematics (*Grade 6*) and (*High School*)**

| Claim  | Content         | 2019 – 20 OSAS Mathematics |     | 2020 – 21 Mathematics Enhanced CAT |
|--|-----------------|----------------------------|-----|------------------------------------|
|  |                 | CAT                        | PT  | CAT                                |
| 2 Problem Solving & 4 Modeling and Data Analysis | Overall         | 6                          | 2-4 | 8                                  |
|  | DOK 3 or Higher | ≥ 2                        |     | ≥ 4                                |
| 3 Communicating Reasoning                        | Overall         | 8                          | 0-2 | 8                                  |
|  | DOK 3 or Higher | ≥ 2                        |     | ≥ 2                                |

**Summary of changes:**

- B. 2019-20 OSAS Mathematics PT items removed from 2020 -21 Mathematics Enhanced CAT Blueprint
- Claim 2 Problem Solving & Claim 4 Modeling and Data Analysis (machine scored items) from 2019-20 OSAS Mathematics Blueprint **increases from 6 to 8 (machine scored items)** in 2020-21 Mathematics Enhanced CAT Blueprint.*
  - Claim 2 Problem Solving & Claim 4 Modeling and Data Analysis (**DOK 3 items**) from 2019-20 OSAS Mathematics Blueprint **increases from ≥ 2 to ≥ 4 (machine scored items)** in 2020-21 Mathematics Enhanced CAT Blueprint.*