

# Next Generation Science Standards (NGSS) Assessment Report Notes

## **Achievement Calculations**

### ***Who is Included?***

A student who attempted at least one test item in the test. Column “Total Number of Students with Valid Scores” in the result table show the total number of students that is included in the achievement calculations.

### ***Who is excluded?***

- Students with invalidated tests
  - Students with significant cognitive disabilities who are designated to take the CT Alternate Science (CTAS)
  - Students who are medically exempt from assessment
- Note: “Recently arrived English learners” are excluded from performance index calculations, but are included in public reporting.

## **Participation Calculations**

### ***Who is Included?***

All students who started a test and any student who never started a test but was enrolled one week before the close of the testing window. Column “Total Number of Students Enrolled on Test Date” in the result table reflect the total number of students that is included in the participation calculations.

### ***Who is excluded?***

- Students with significant cognitive disabilities who are designated to take the CT Alternate Science (CTAS)
- Students who are medically exempt from assessment

### ***Who is a Participant?***

A student who starts the test (i.e., logs in the testing system) is considered a participant. Column “Total Number of Students Enrolled on Test Tested” in the result table reflect the total number of students considered as participant.

## **Definitions**

- High Needs: A student who is eligible for free/reduced price meals or is an English learner or a student with a disability is included in the "High Needs" super subgroup category.
- Recently Arrived English Learners (ELs): A student who is an EL and was enrolled for the first time in a U.S. school for fewer than 24 calendar months at the time of testing.
- Military Family: A student whose parent or guardian is a member of the Armed Forces on active duty or serves on full-time National Guard duty. “Armed Forces” means the Army, Navy, Air Force, Marine Corps and Coast Guard. “Active duty” means full-time duty.
- Homeless: A student who lacks a fixed, regular, and adequate nighttime residence as defined under the federal McKinney-Vento Act.
- Foster Care: A student who has been involved with the CT Department of Children and Families (DCF) Foster Care unit within the current school year.
- For additional subgroup category definitions, please refer to [the PPR, Appendix A – Glossary of Terms](#)

### **Suppression Rules**

Table below provides a quick reference on assessment suppression rules. For additional details, see the [Data Suppression Guidelines](#).

Count/Percent	Suppression Rule
Total Number of Students	Suppress if $\leq 5$
Total Number Tested	Suppress if $\leq 5$
Participation Rate	Suppress if denominator (Total Number of Students) $< 20$ Suppress if numerator (Total Number Tested) $\leq 5$
Total Number with Valid Scores	Suppress if $\leq 5$
Level 1,2,3,4 Count/Percent	Suppress if Total Number with Valid Scores $< 20$ Suppress if Level Count $\leq 5$ Apply complementary suppression across levels.
Level 3&4 Count/Percent	Suppress if Total Number with Valid Scores $< 20$ Suppress if Level 3 or Level 4 count is suppressed. Show if Level 1 and 2 are not suppressed, and Level 3 and 4 are suppressed.
Scale Score (SS)	Suppress if Total Number with Valid Scores $< 20$

### **NGSS Cut Scores and Score Ranges**

Grade	Cut Scores			Range	
	A	M	E	LOSS	HOSS
Grade 5	468	498	535	400	599
Grade 8	772	798	842	700	899
Grade 11	1073	1099	1141	1000	1199