

Georgia Milestones 2022-2023 State Norm-Referenced Score Report

This annual report provides norm-referenced results for the Georgia Milestones End-of-Grade and End-of-Course assessments administered during the 2022-2023 school year. Performance on these assessments can be used to compare Georgia students to a nationally-representative sample of students who completed *TerraNova*, a norm-referenced achievement test.

National percentile ranks (NPRs) range from 1 to 99 and are commonly used for reporting norm-referenced test results. The NPR may be interpreted as the percentage of students in a national sample whose scores fall below a given student's *TerraNova* scale score. For example, if a student's scale score converts to an NPR of 71, the student scored higher than approximately 71 percent of the students in the *TerraNova* national norming group. The median NPR for the *TerraNova* national norming group is always 50; therefore, if Georgia's median NPR is 50, it indicates that Georgia students are performing at the same level as the students in the *TerraNova* national norming group. The median NPRs by grade/course for Georgia are shown in the tables below.

End-of-Grade – Spring 2023 – Median NPRs

Grade	English Language Arts	Mathematics	Science	High School Physical Science	Social Studies
3	31	54			
4	33	56			
5	42	47	45		
6	49	48			
7	51	53			
8	62	61	55	70	55

End-of-Course – Winter 2022 and Spring 2023 – Median NPRs

Course	Winter	Spring
American Literature & Composition	72	75
Coordinate Algebra	58	51
Algebra I	66	73
Biology	59	67
United States History	49	50

National norms are based on the achievement results from a carefully-defined sample of students in grades K-12, selected to be representative of the student population in the nation according to detailed demographic information. Using the historical performance of Georgia students on Georgia Milestones items and *TerraNova* items, a concordance was established such that the Georgia Milestones items may be linked to the *TerraNova* scale. This means that, for every Georgia Milestones score, *TerraNova* performance is estimated and the corresponding NPR is identified.

