

Use of NC Math 1 and NC Math 3 End of Course Tests for School Accountability

In May 2017, the North Carolina State Board of Education (SBE) approved the use of flexibility afforded to states in the Every Student Succeeds Act (ESSA) for grade 8 students who are enrolled in NC Math 1. This flexibility allows grade 8 students to take only one mathematics summative assessment (i.e., NC Math 1 End-of-Course [EOC] test), thus eliminating double testing for these students. With this flexibility, students who take NC Math 1 in grade 8 or earlier use the NC Math 3 EOC test results for high school accountability.

For the purposes of understanding how tests count in the following calculations, two pathways, the Standard Pathway and Accelerated Pathway, have been identified and are defined as follows:

Standard Pathway: Taking the NC Math 1 course for the first time in grade 9 or higher.

Accelerated Pathway: Taking the NC Math 1 course for the first time in grade 8 or earlier.

Determining the mathematics tests used to calculate the 95% participation rate requirement:

- A. The following tests are combined for students in membership at grade 8 to determine if a school has met the 95% participation rate requirement in mathematics for all students and each subgroup of students:
 - i. Grade 8 Mathematics End of Grade (EOG) test, or
 - ii. NC Math 1 EOC test for students currently enrolled in the NC Math 1 course in grade 8, or
 - iii. NC Math 1 EOC test (banked) for students previously enrolled in the NC Math 1 course prior to grade 8.

- B. The following assessments are combined for students in membership at grade 11 to determine if a school has met the 95% participation rate requirement in mathematics for all students and each subgroup of students:
 - i. For the 2018–19 school year:
 - a. NC Math 1 EOC test (**Note:** The NC Math 3 EOC tests are not used for participation in 2018–19.)
 - ii. For the 2019–20 school year and beyond:
 - a. NC Math 1 EOC test for students who were enrolled in NC Math 1 for the first time in grades 9–11, or
 - b. NC Math 3 EOC test for students who were enrolled in NC Math 1 for the first time in grade 8 or earlier.

Determining the mathematics tests used in School Performance Grades:

- A. Students who are enrolled in NC Math 1 for the first time in grades 9–11:
 - i. Must enroll in NC Math 1 by the end of grade 11 and the NC Math 1 EOC test is used in School Performance Grades the year they take the test.
 - a. Students who transfer in from another state, private school, or homeschool with an NC Math 1 credit earned in grades 9–11 are not expected to take the NC Math 1 EOC test. However, these students are expected to take the NC Math 3 EOC test when enrolled in the NC Math 3, but the tests are not used for School Performance Grades.

Note: Students who are enrolled in NC Math 1 for the first time in grades 9–11 and are enrolled in NC Math 3 in a future year, must take the NC Math 3 EOC test. The NC Math 3 EOC test is not used for School Performance Grades.

- B. Students who are enrolled in NC Math 1 for the first time in grade 8:
 - i. Take the NC Math 1 EOC test only and must not take the Grade 8 Mathematics EOG test.
 - a. All grade-level Mathematics EOG tests (grades 3–7 and grade 8 students who are not enrolled in NC Math 1) are combined with grade 8 NC Math 1 EOC tests to calculate the school’s mathematics proficiency score.
 - ii. Are expected to be enrolled in NC Math 3 by the end of grade 11 and the NC Math 3 EOC test is used as the mathematics proficiency measure in School Performance Grades the year the students take the course.
 - a. This rule applies to students who transfer in from another state, private school, or homeschool with an NC Math 1 credit earned in the students’ grade 8 year.
- C. Students who repeat the NC Math 1 course for credit in grade 9 after taking NC Math 1 in grade 8:
 - i. Students will follow the current SBE policy, *Repeating a Course for Credit* (CCRE-001), to determine if taking the NC Math 1 EOC test is required again in grade 9. For students who take the NC Math 1 EOC test again in grade 9, the test is used as a high school mathematics proficiency score in the calculation of School Performance Grades for the year the student is enrolled in the course.
 - ii. Are expected to be enrolled in NC Math 3 by the end of grade 11 and the NC Math 3 EOC test is used as the mathematics proficiency measure in School Performance Grades the year the students are enrolled in the course.
- D. Students who are enrolled in NC Math 1 prior to grade 8:
 - i. Take the appropriate grade level mathematics EOG test which is used in the mathematics proficiency measure in School Performance Grades and the NC Math 1 EOC test.
 - a. The NC Math 1 EOC test is banked until the student is enrolled in grade 8. At that time, it is used as the grade 8 mathematics proficiency measure in School Performance Grades. Students with a banked NC Math 1 EOC test must not take the Grade 8 Mathematics EOG test in their grade 8 year.
 - Students will take the appropriate test for the mathematics course in which they are in enrolled in grade 8 (i.e. NC Math 2 NCFE or NC Math 3 EOC).
 - ii. Are expected to be enrolled in NC Math 3 by the end of grade 11 and the NC Math 3 EOC test is used as the mathematics proficiency measure in School Performance Grades in high school.
 - a. If NC Math 3 is taken in grade 8 or prior, the NC Math 3 EOC test is banked to the high school.
 - b. This rule applies to students who transfer in from another state, private school, or homeschool with a NC Math 1 credit earned in a grade prior to grade 8.

Determining the mathematics tests used to calculate school accountability growth:

Mathematics tests taken in the current accountability year are used in school accountability growth calculations regardless of where the test is used for academic achievement (proficiency), participation, or long-term goal calculations. Only NC Math 3 EOC tests for students on the accelerated pathway are used in school accountability growth calculations. All NC Math 3 EOC tests are used for educator growth calculations.

Determining the mathematics tests used to calculate long-term goals:

- A. The Mathematics Grades 3–8 long-term goals and measure of interim progress status for all subgroups, including the all students group, are calculated by combining the Grades 3–8 Mathematics EOG tests (at available grade levels) and the NC Math 1 EOC tests for grade 8 students (when applicable).
- B. The Mathematics Grade 11 long-term goals and measure of interim progress status for all students and each subgroup of students are calculated:
 - i. For the 2018–19 school year,
 - a. The NC Math 1 EOC tests for all students at grade 11 regardless of what year the student took the test. (**Note:** The NC Math 3 EOC tests are not used for long-term goals and measures of interim progress in 2018–19.)
 - ii. For the 2019–20 school year and beyond,
 - a. The NC Math 1 EOC tests for students at grade 11 who were enrolled in NC Math 1 for the first time in grades 9-11, will be combined with
 - b. The NC Math 3 EOC tests for students at grade 11 who were enrolled in NC Math 1 for the first time in grade 8 or earlier.

Note: Schools with non-traditional grade level configurations (ex. 6-12, K-12, etc.) will have long-term goals and measures of interim progress for Mathematics Grades 3–8 and/or Mathematics Grade 11 depending on each school’s grade level configurations. Please see the business rules concerning long-term goals for more information.

Mathematics Pathways—When Tests Are Used and For What Purpose

Orange	Test included as the mathematics proficiency measure (SPG). (Accountability growth is included in the tested year only, not the banked year.)
Blue	Used to determine 95% participation rates and long-term goals.
Yellow	Test taken but not used in current year mathematics proficiency measure (SPG); used in current year in accountability growth.
Green	Test taken but not used in accountability model (SPG); used only for educator effectiveness growth.

Key: EOGX = End-of-Grade Math at X grade
NCM1B = NC Math 1 EOC Banked





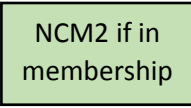

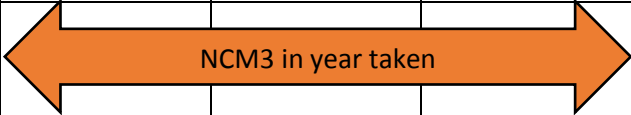





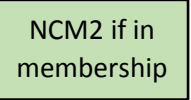


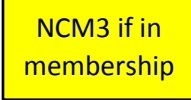

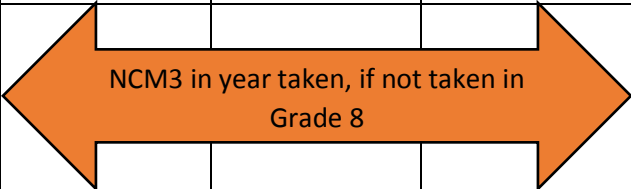

NCM1 = NC Math 1 EOC
NCM3B = NC Math 3 EOC Banked

NCM3 = NC Math 3 EOC

Standard Mathematics Pathway					
	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Students who take NC Math 1 for the first time in grades 9–11					
Accelerated Mathematics Pathways					
	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Students in membership in NC Math 1 in Grade 8					
Students who took NC Math 1 in Grade 8 and repeat NC Math 1 in Grade 9 (Follow policy on Repeating a Course for Credit for testing requirement CCRE-001)					

Test administration is expected in the grade level(s)/course(s) where students are in membership – Students who transfer from private, out-of-state, or homeschools and are awarded credit for a course will follow the path based on the grade level the credit is attributed.

Mathematics Pathways—When Tests Are Used and For What Purpose

Accelerated Mathematics Pathways, Continued								
	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	
Students in membership in NC Math 1 in Grade 7		  	  					
Students in membership in NC Math 1 in Grade 6	  	  	  					

Test administration is expected in the grade level(s)/course(s) where students are in membership – Students who transfer from private, out-of-state, or homeschools and are awarded credit for a course will follow the path based on the grade level the credit is attributed.

* Begins in the 2019–20 school year. For 2018–19, NC Math 1 is used for all grade 11 students for long-term goals and participation.