



# North Carolina Department of Public Instruction

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 PUBLIC SCHOOLS OF NORTH CAROLINA State Board of Education | Department of Public Instruction

## Description of the General Assessment

- Content covered in Reading and Math
- Scores and scales
- Policies on allowed accommodations
- Retesting
- Changes in the assessments over the past 10 years



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## Description of the General Assessment

GRADES 3-8	GENERAL ASSESSMENT OPTIONS <sup>1</sup>		ALTERNATE ASSESSMENT OPTIONS <sup>1</sup>	
	General Test Administration	General Test Administration with Accommodations	NCEXTEND <sup>2</sup> EOG <sup>2</sup>	NCEXTEND <sup>2</sup>
Measured North Carolina Standard Course of Study (NCSCS) Content	Grade Level	Grade Level	Grade Level	Extended Content Standards
Academic Achievement Standards (Cut scores)	Grade-Level Academic Achievement Standards <sup>3</sup>	Grade-Level Academic Achievement Standards <sup>3</sup>	Grade-Level Modified Academic Achievement Standards <sup>4</sup>	Alternate Academic Achievement Standards <sup>3</sup>
Test Format Reading and Math Grades 3-8 Science Grades 5 and 8	Multiple-Choice	Multiple-Choice	Modified Multiple-Choice <sup>5</sup>	Performance Tasks
Eligible Students <sup>6</sup>	All Students	Students who are LEP who meet specific criteria, <sup>7</sup> students with disabilities who have an IEP or a Section 504 Plan, and students with a transitory impairment	Students with disabilities (who have a current IEP) and meet specific criteria <sup>5</sup>	Students with disabilities (who have a current IEP) and meet specific criteria <sup>5</sup>



## Content covered in Reading and Math

- Grade-level content following the NC Standard Course of Study
- Field testing next generation using Common Core State Standards



## Content covered in Math EOGs

Grade	Goal 1 Number and Operations	Goal 2 Measurement	Goal 3 Geometry	Goal 4 Data Analysis & Probability	Goal 5 Algebra
3	35-40%	10-12%	12-15%	12-15%	20-25%
4	35-40%	10-12%	10-12%	15-18%	20-25%
5	20-25%	10-15%	25-30%	10-15%	20-25%
6	20-25%	10-15%	15-20%	20-25%	20-25%
7	20-25%	10-15%	20-25%	20-25%	25-30%
8	10-15%	10-15%	10-15%	20-25%	35-40%

Grade	Total Questions	Calculator Active Number (%)	Calculator Inactive Number (%)
3	82	54 (66%)	28 (34%)
4	82	54 (66%)	28 (34%)
5	82	54 (66%)	28 (34%)
6	82	54 (66%)	28 (34%)
7	82	54 (66%)	28 (34%)
8	80	80 (100%)	0 (0%)



## Scores and scales

- NC EOG test results can be interpreted in both a norm-referenced and criterion-referenced framework
- Developmental scale scores, set on a continuous scale for grades 3-8
- Additional scores and scales



## Policies on allowed accommodations

Three major categories of accommodations:

- Special Print Versions
- Assistive Technology (AT) Devices and Special Arrangements
- Special Test Environments



## Policies on allowed accommodations

### Special Print Versions

- Braille Edition
- Large Print Edition
- One Test Item Per Page Edition

### Special Test Environments

- Hospital/Home Testing
- Multiple Testing Sessions
- Scheduled Extended Time
- Testing in a Separate Room



## Policies on allowed accommodations

### Assistive Technology Devices and Special Arrangements

- Braille Writer/Slate and Stylus (Braille Paper)
- Cranmer Abacus
- Magnification Devices
- Student Marks Answers in Test Book
- Student Reads Test Aloud to Self
- AT Devices
- Dictation to a Scribe
- Keyboarding Devices
- Interpreter/Transliterators Signs/Cues Test
- Test Administrator Reads Test Aloud (In English)
- Computer Reads Test Aloud – Student Controlled



## Policies on allowed accommodations

### Online testing

- Large font and foreground/background options available to all students
- Not ‘accommodations’ – universal design



## Retesting

- Currently permitted for students who do not score proficient
- Only one retest allowed
- With removal of Student Accountability Standards (gateways), retesting is being reconsidered



## Changes in the assessments over the past 10 years

Math	1993-2000	2001-2005	2006-2012
EOG	Ed.1	Ed.2	Ed.3

Reading	1993-2002	2003-2007	2008-2012
EOG	Ed.1	Ed.2	Ed.3



## Description of the Growth Model

- Growth question being answered
- Scores on a common scale
- How student and school-level growth outcomes are reported
- Handling of missing scores
- Calculation of growth score
- Handling of non-linear growth



## Growth question being answered

- Academic change
- Amount of expected change is one grade level



## Scores on a common scale

- NC ABCs model currently uses a standardized scale, similar to z-scores
- A student's performance is considered as a point on the c-scale (change scale) relative to standard performance for that grade level in a standard setting year



## How student and school-level growth outcomes are reported

- Student-level growth is not currently reported out
- For elementary schools with 30 or more scores, mean academic change is computed for the school
- High School growth includes additional factors (e.g. graduation rate)





## Handling of missing scores

- Formula adjustment when using a single score instead of two scores
- Alternate Assessments (1% and 2%) are not included in growth calculations



## Calculation of growth score

- Academic change is expressed as the difference between a student's actual c-scale score for the current year and the student's average of two previous assessments (EOGs and EOCs) with a correction for regression toward the mean
- Will be moving to EVAAS



## Calculation of growth score

$$AC = CS_{c-scale} - (0.92 \times ATPA_{c-scale})$$

Where

AC = academic change

CS = current score

ATPA = average of two previous assessment scores



## Handling of non-linear growth

- Growth is handled in a linear fashion



## Database for student with disabilities

- Merge of December 1 child count with state test database
- Disability category defined
- Accommodations received on test
- Reduced or free lunch information
- Years retained



## Merge of December 1 child count with state test database

- NC Common Education Data Analysis and Reporting System (CEDARS)



## CEDARS

- Student Data
  - Demographics
  - Program Participation
  - Courses and grades
    - Student enrollment
  - Assessment
    - EOG, EOC
    - LEP, CTE
  - Attendance
- Student programs
  - EC Data
  - LEP
  - Migrant
  - All other programs collected annually (federal program data?)



## Disability category defined

- NC uses the 13 Federally defined categories



## Accommodations received on test

- Collected through WinScan files
- Test Administrator bubbles the accommodations *provided*
- Accommodations *used* are recorded in hard copy only (review of accommodations form)



## Reduced or free lunch information

- FRL data are sensitive and access is restricted



## Years retained

- Authoritative source for retention data



## Contact Information

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