

# Interpretive Guide to the Score Reports for the North Carolina NCEXTEND1 Assessments

2018–19

North Carolina Department of Public Instruction



**Public Schools of North Carolina**

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## **Introduction**

WinScan is a software application provided by the North Carolina Department of Public Instruction (NCDPI). This software permits administrators at the district level to produce a variety of score reports on demand, including Individual Student Reports (ISRs), Achievement Level Frequency Reports, Class Roster Reports, Score Frequency Reports, and Goal Summary Reports. The *Interpretive Guide to the Score Reports for the NCEXTEND1 Assessments* is intended to help educators understand these reports and to inform decision making at the student, classroom, school, and district levels. This guide will also help administrators and educators explain assessment results to parents and the general public.

The ISR is designed for parents and teachers; whereas, the score report interpretive guides are designed for teachers and administrators at the school, district, and state levels. Together, these documents provide guidance in interpreting the many reports that are generated by the WinScan software application.

## **How to Use This Guide**

This guide has been designed to give users quick access to the information needed when interpreting a specific WinScan report. The table of contents and the table of figures can be used to identify a sample report for any type of WinScan report. Users can learn about all of the key features of the sample report by simply matching label numbers in the sample reports to the label numbers in the *Index of Terms by Label Number*.

## **The WinScan Reports**

Each WinScan report has a standard template. Except for the ISRs, the standard templates can be modified through user-defined options. When the standard report templates are combined with different options, assessments, and data filters, over three hundred (300) unique reports can be produced. This guide focuses on the most commonly used reports for NCEXTEND1 assessments. Table 1 shows a list of the reports described in subsequent pages and the audiences for which these reports are intended. The ISRs are designed for students, teachers, students' parents, and school administrators. Class Rosters are designed for teachers and school administrators. Score Frequency Reports and Achievement Level Frequency Reports, and Goal Summary Reports are designed for teachers, school administrators, district administrators, and state administrators.

Table 1. *WinScan Reports and Intended Audience*

Report	Audience				
	Parent	Teacher	Administrators		
			School	District	State
Individual Student Report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Class Roster Reports		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Score and Achievement Level Frequency		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The WinScan reporting system can aggregate data at various levels, including class, school, district, and state levels. Table 2 presents the reporting levels of each group-level WinScan report.

Table 2. *Reporting Levels for Group-Level WinScan Reports*

Report	Reporting Level			
	Class	School	District	State
Class Roster Reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Score and Achievement Level Frequency Reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The WinScan reporting system can also summarize scores across various subgroups including gender (male and female) and ethnicity (American Indian, Asian, Black, Hispanic, Two or More Races, and White). Table 3 presents the standard reporting groups available for each group-level WinScan report. When multiple subgroups are selected, reports are produced for every combination of the chosen subgroups.

Table 3. *Standard Reporting Groups for Group-Level WinScan Reports*

Report	Groups			
	All	Gender	Ethnicity	Gender & Ethnicity
Class Roster Reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Score and Achievement Level Frequency	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

*Note: Ethnicity includes the following: American Indian, Asian, Black, Hispanic, Two or More Races, and White.*

As can be seen from Tables 2 and 3, users have many options when producing WinScan reports, including many subject areas, four possible reporting levels, and four grouping variables, resulting in over three hundred 300 individual reports.

## **NCEXTEND1 Assessments**

As part of the statewide assessment program, students are assessed using the NCEXTEND1 alternate assessment for the following state-required North Carolina assessments: the North Carolina End-of-Grade (EOG) assessments of English language arts/reading, mathematics, and science, and the North Carolina End-of-Course (EOC) assessments of English II, NC Math 1, and Biology. The EOG ELA/Reading and mathematics assessments are administered to students at grades 3–8; the EOG assessments for science are administered to students at grades 5 and 8. The EOC assessments are administered at grade 10. The ACT and the College and Career Readiness Alternate Assessment (CCRAA) are administered to students at grade 11.

The NCEXTEND1 is an alternate assessment for students who have a significant cognitive disability. The NCEXTEND1 is administered to eligible students at grades 3–8, and 10 as part of the statewide testing program. These curriculum-based assessments are specifically aligned to the North Carolina *Standard Course of Study* Extended Content Standards. The NCEXTEND1 at grades 3–8 and 10 measures grade-level extended content standards; the achievement of students participating in the NCEXTEND1 is a measure based on alternate academic achievement standards for the content areas(s) being tested. The NCEXTEND1 at grade 11 includes ELA/reading, mathematics, and science items.

Depending on the specific NCEXTEND1 assessment, student scores are used for computing school proficiency and participation rates, as required by the state accountability system, and for determining long-term goals and measures of interim progress designed to improve educational outcomes for all students and close achievement gaps, as required under the North Carolina Every Student Succeeds Act State Plan.

# Individual Student Reports

For students at grades 3, 4, 6, and 7, the Individual Student Report (ISR) for the NCEXTEND1 provides information concerning performance on the NCEXTEND1 for ELA/Reading and mathematics. For students at grades 5 and 8, the report includes information concerning the performance on the NCEXTEND1 for ELA/Reading, mathematics, and science. For students at grade 10, the report provides information concerning performance on the NCEXTEND1 English II, NC Math 1, and Biology assessments. An ISR is provided in Figure 1. Key features are labeled and explained in the *Index of Terms by Label Number*.

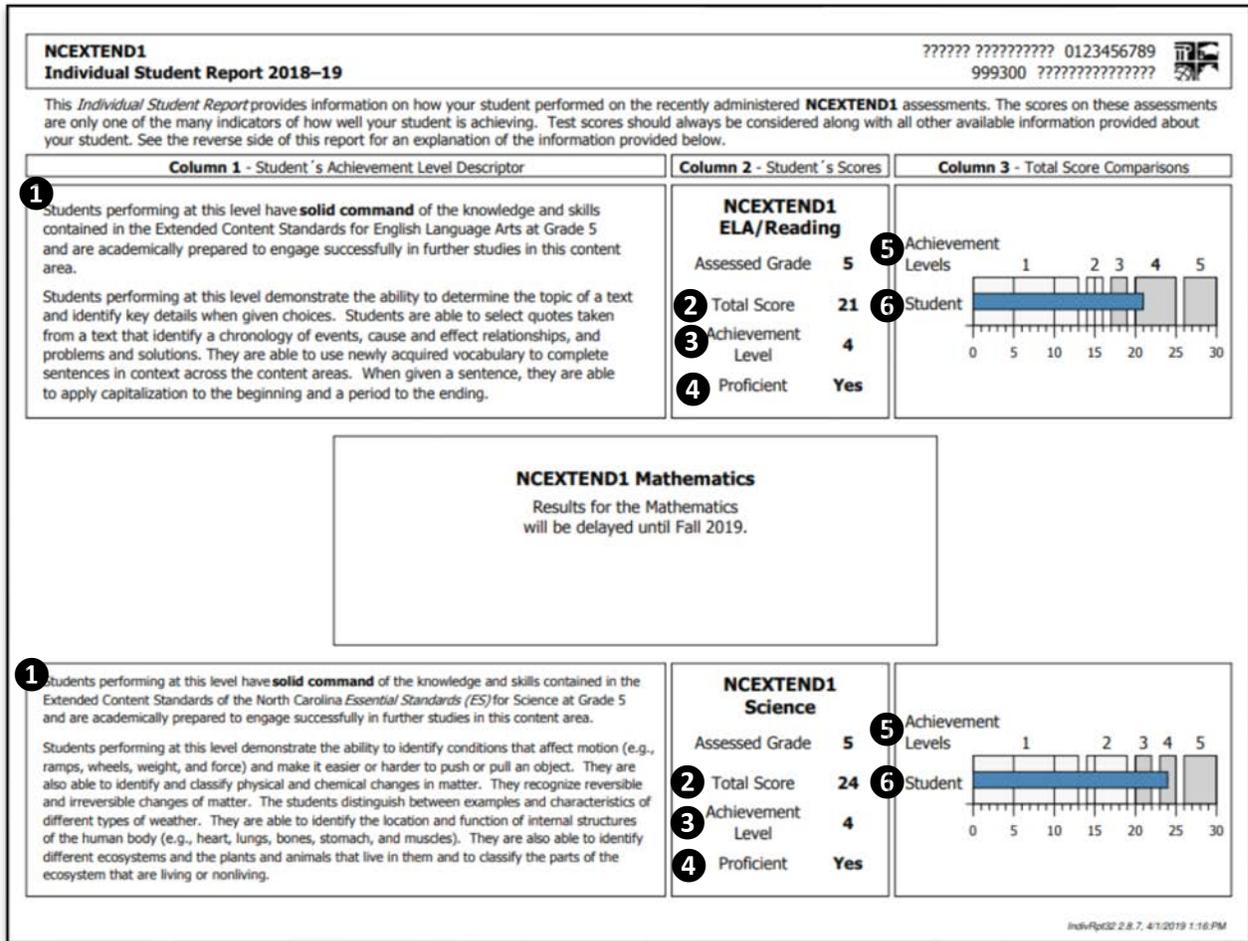


Figure 1. Sample Individual Student Report for NCEXTEND1 Assessments

## Class Roster Reports

The Class Roster Reports take on many different combinations. A class roster report can contain grade-specific student scores for each content area independently or it can contain grade-specific student scores for combinations of content areas. Figure 2 displays a sample NCEXTEND1 Class Roster report. This report is often produced at the class level and the student level. The *Index of Terms by Label Number* can be used to learn more about each labeled feature of these reports.

PUBLIC SCHOOLS OF NORTH CAROLINA ALTERNATE ASSESSMENTS 2018-2019 NC Alternate Assessment NCEXTEND1 Class Roster						
LEASchCode = ??????????			SchoolName = ??????????			
DateTested = May 2019						
Student Name	ELA/English II			Science/Biology		
	Assessed Grade Level	<b>2</b> Total Score (0-30)	<b>3</b> Achievement Level	Assessed Grade Level	<b>2</b> Total Score (0-30)	<b>3</b> Achievement Level
1 ?????????? ??????	08	Absent		08	Absent	
2 ?????????? ??????	08	15	2	08	15	2
3 ?????? ???	08	30	5	08	30	5
4 ?????? ??????????	05	21	4	05	24	4
5 ?????? ?????????????	05	17	3	05	20	3
6 ?????????? ??????????	05	16	2	05	19	2
7 ?????????? ??????????	10	30	5	10	30	5
8 ?????????????? ??????????????????	04	Med Except		04	Med Except	
9 ?????????? ??????	07	30	5	07		
10 ?????????????? ??????????????	04	30	5	04		
11 ???? ??????	06	30	5	06		
12 ?????????? ??????????	07			07		
13 ???? ??????	03	30	5	03		
14 ?????????? ??????????????????????	05	16	2	05		
15 ?????????? ??????????	10	Transfer		10	Transfer	
16 ?????????????? ??????????????	05	30	5	05	30	5
<b>7</b> Group Mean		24.6			24.0	

English Language Arts/Reading and Mathematics are assessed at grades 3-8.  
Science is assessed at grades 5 and 8.  
English II, NC Math 1 and Biology are assessed at grade 10.

The new NCEXTEND1 Mathematics test is being given using online teacher-facilitated assessments with scores available Fall 2019.

Figure 2. Sample Class Roster Report

## Scale Score Frequency Reports

Frequency tables are used to summarize large quantities of scores. The Frequency Reports available in WinScan are used to summarize score information at the class, school, district, and state levels. The WinScan Score Frequency Report presents the frequency, percent, cumulative frequency, and cumulative percent of each score for a specific course. These reports can be created for each NCEXTEND1 assessment. Figure 3 presents a sample Score Frequency Report for an NCEXTEND1 science Assessment. The *Index of Terms by Label Number* can be used to learn more about each labeled feature of this report.

The Score Frequency Report consists of three sections: the header (section labeled F1), a summary table of scores (section label F2), and a score frequency distribution table (section label F3).

The header specifies the type of report (Score Frequency), the school year (2018–19), and that it is an NCEXTEND1 alternate assessment. The LEASchCode (Label 8), the month of testing (Label 9), and the SchoolName (Label 10) are also listed.

The top row of the summary table (section label F2) indicates that 7 students in this report had valid scores (Label 11). The highest score was 30 (Label 15) and the lowest score was 15 (Label 16). The mean score was 24.00 (Label 12), the standard deviation was 6.19 (Label 13), and the mode was 30 (Label 14). The percentile scores are listed at the right of the table (Label 17). The scale scores are listed for the 10<sup>th</sup>, 25<sup>th</sup>, 50<sup>th</sup>, 75<sup>th</sup>, and 90<sup>th</sup> percentiles (Label 2). For example, a scale score of 24.0 corresponds to a percentile of 50, meaning 50 percent of 7 students earned a score of 24.0 or less.

In the Frequency Distribution table (section labeled F3) the subject Score column (Label 2) presents every score earned by the 7 students. The Frequency column (Label 18) on the report presents the number of students who earned each scale score. For example, 3 students earned a scale score of 30.0. The Cumulative Frequency column (Label 19) displays the total number of students who earned all scores up to and including the score in the same row. For example, four students earned a scale score 24 or below.

The Percent column (Label 20) presents the percent of students who earned a given scale score (number of students that earned the score divided by the total number of observations). The column shows that 42.86 percent of students earned a score of 30.

The Cumulative Percent column (Label 21) displays the percent of students who earned up to and including a given scale score. The column shows 57.14 percent of students earned up to and including a scale score of 24.

The Achievement Level column (Label 3) displays the achievement level associated with each scale score. In this example, a scale score of 24 corresponds to an achievement level of 4.

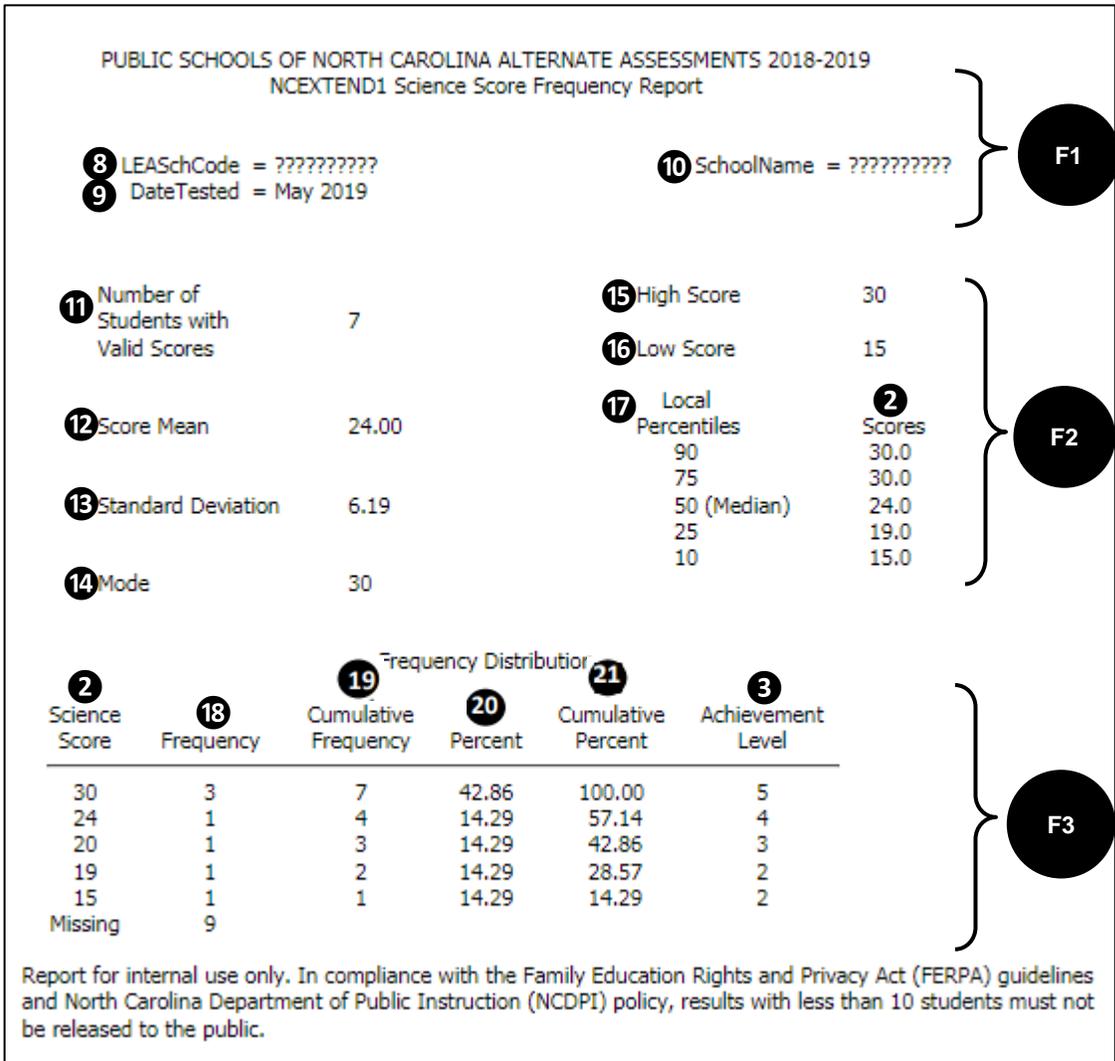


Figure 3. Sample Score Frequency Report for NCEXTEND1 Assessments

## Index of Terms by Label Number

<p>1</p>	<p><b>Student's Achievement Level Descriptor</b>—These descriptors explain the level of achievement the student is expected to have mastered given his or her assessment score.</p> <p>The achievement level descriptors can be viewed at <a href="http://www.ncpublicschools.org/accountability/testing/shared/achievelevel/">http://www.ncpublicschools.org/accountability/testing/shared/achievelevel/</a>.</p>
<p>2</p>	<p><b>Score</b>—The score is the total number of questions the student answers correctly, also called a raw score. The scores for NCEXTEND1 assessments differ from general assessments in that they do <b>not</b> permit comparisons over time. NCEXTEND1 assessments are not on a vertical scale and thus do not permit year-to-year comparisons.</p>
<p>3</p>	<p><b>Achievement Level</b>—This indicates the level of achievement that the student is expected to have mastered given his or her assessment score. The achievement level descriptors can be viewed at <a href="http://www.ncpublicschools.org/accountability/testing/shared/achievelevel/">http://www.ncpublicschools.org/accountability/testing/shared/achievelevel/</a>.</p>
<p>4</p>	<p><b>Proficient</b>—Proficient indicates where the student has met (Yes) or not met (No) the grade-level proficiency standards.</p>
<p>5</p>	<p><b>Achievement Levels</b>—Achievement levels show the level at which a student performed on the assessment. They are predetermined performance standards that allow a student's performance to be compared to grade-level expectations. Five achievement levels (i.e., Levels 1, 2, 3, 4, and 5) are reported.</p> <p>Achievement levels of 3, 4, and 5 indicate grade-level proficiency.</p> <p>Achievement levels 4 and 5 indicate college and career readiness. The achievement level descriptors can be viewed at <a href="http://www.ncpublicschools.org/accountability/testing/shared/achievelevel/">http://www.ncpublicschools.org/accountability/testing/shared/achievelevel/</a>.</p>
<p>6</p>	<p><b>Student</b>—This blue bar represents the student's score on the assessment.</p>
<p>7</p>	<p><b>Group Means</b>—The average of a group of score. The mean is the sum of all scores in the roster divided by the number of scores in the roster.</p>
<p>8</p>	<p><b>LeaSchCode</b> refers to the Local Education Agency (LEA)/district school code.</p>
<p>9</p>	<p><b>Date Tested</b> describes the time of year in which the exam was administered.</p>

10	<b>SchoolName</b> refers to the school name.
11	<b>Number of Students with Valid Scores</b> —This number is the count of all students who received a score for the group specified for the report.
12	<b>Score Mean</b> —The average of a group of scores. The mean is the sum of all scores included in the report divided by the number of scores in the report.
13	<b>Standard Deviation</b> —The standard deviation indicates the degree of variation of scores among a group of students. The larger the standard deviation, the greater the variation there is in scores.
14	<b>Mode</b> —The group mode is the most common score or scores of the group.
15	<b>High Score</b> —The highest score received among a group of students.
16	<b>Low Score</b> —The lowest score received among a group of students.
17	<b>Local Percentiles</b> —The percentile describes the percent of all values of the scale score in the report that are equal to or less than the scale score presented in the next column. The median is the midpoint of the scale score distribution and corresponds to the 50 <sup>th</sup> percentile.
18	<b>Frequency</b> —The frequency column presents the number of students that earned each scale score.
19	<b>Cumulative Frequency</b> —The value in the cumulative frequency column in a frequency table is the total number of students who earned all scores up to and including the score in the same row.
20	<b>Percent</b> —The percent column presents the percent of the total number of students who earned each score (number of students that earned the score divided by the total number of observations).
21	<b>Cumulative Percent</b> —The value in the cumulative percent column is the percent of students who earned all scores/achievement level up to and including the score/achievement level in the same row.