## Onterpretive Guide

Grades 3-8<br>ELA, Mathematics, Social Studies, and Science

Spring 2022


Dr. Cade Brumley
State Superintendent of Education

# For further information, contact the Louisiana Department of Education <br> <br> 1-844-268-7320 

 <br> <br> 1-844-268-7320}
assessment@la.gov
The mission of the Louisiana Department of Education (LDOE) is to ensure equal access to education and to promote equal excellence throughout the state. The LDOE is committed to providing Equal Employment Opportunities and is committed to ensuring that all of its programs and facilities are accessible to all members of the public. The LDOE does not discriminate on the basis of age, color, disability, national origin, race, religion, sex, sexual orientation, gender identity, political affiliation, or genetic information. Inquiries concerning the LDOE's compliance with Title IX and other civil rights laws may be directed to the Attorney, LDOE, Exec. Office of the General Counsel, P.O. Box 94064, Baton Rouge, LA 70804-9064; 877.453.2721 or customerservice@la.gov. Information about the federal civil rights laws that apply to the LDOE and other educational institutions is available on the website for the Office of Civil Rights, USDOE, at http://www2.ed.gov/about/offices/list/ocr/index.html.

This public document was published at a cost of $\$ 1,000$. This Web-only document was published for the Louisiana Department of Education, P.O. Box 94064, Baton Rouge, LA 70804-9064, by Data Recognition Corporation, 13490 Bass Lake Road, Maple Grove, MN 55311. This material was printed in accordance with the standards for printing by State Agencies established pursuant to R.S. 43:31.
© 2022, Louisiana Department of Education

## TABLE OF CONTENTS

INTRODUCTION TO THE INTERPRETIVE GUIDE ..... 1
Overview ..... 1
Purpose of the Interpretive Guide ..... 1
Test Design ..... 1
The ELA Test ..... 1
The Mathematics Test ..... 3
The Social Studies Test ..... 3
The Science Test ..... 4
Scoring ..... 5
ELA Item Types and Scoring ..... 5
Mathematics Item Types and Scoring ..... 6
Social Studies Item Types and Scoring ..... 6
Science Item Types and Scoring ..... 7
Interpreting Scores and Achievement Levels ..... 7
Scale Score ..... 7
Achievement Level ..... 9
Student Rating by Reporting Category and Subcategory ..... 9
STUDENT-LEVEL REPORTS ..... 11
Sample Student Report: Explanation of Results and Terms ..... 11
Parent Guide to the LEAP 2025 Student Reports ..... 14
Sample Student Report A ..... 15
Sample Student Report B ..... 16
Sample Student Report C ..... 17
Sample Student Report D ..... 18
SCHOOL ROSTER REPORT ..... 19
Sample School Roster Report: Explanation of Results and Terms ..... 19
Sample ELA School Roster Report ..... 21
Sample Mathematics School Roster Report ..... 24
Sample Social Studies School Roster Report ..... 27
Sample Science School Roster Report ..... 30

This page was intentionally left blank.

## INTRODUCTION TO THE INTERPRETIVE GUIDE

## OVERVIEW

## Purpose of the Interpretive Guide

This interpretive guide is designed to help school system and school administrators, teachers, parents, and the general public better understand the LEAP 2025 English language arts (ELA), mathematics, social studies, and science assessments. Through a better understanding of the assessments, school and school system personnel will be able to use the results in more strategic ways.

The information that follows describes the grades 3-8 LEAP 2025 ELA, mathematics, social studies, and science assessments administered in spring 2022 and provides information about how to read and interpret the data on the 2022 assessment reports.

## TEST DESIGN

## The ELA Test

The LEAP 2025 ELA tests are each comprised of three sessions. Two of the three sessions contain writing tasks. The LEAP 2025 ELA assessments focus on an integrated approach to reading and writing that reflects instruction in an effective ELA classroom and measures a student's ability to understand what they read and express that understanding in writing. All students will take the Research Simulation Task. The other task will be either the Literary Analysis Task or the Narrative Writing Task. The tasks are described below.

- Research Simulation Task-mirrors the research process by presenting two texts (grade 3) or three texts (grades 4-8) on a given topic. Students answer a set of selected-response questions about the texts and then write an extended response about some aspect of the related texts.
- Literary Analysis Task-provides students an opportunity to show their understanding of literature. Students read two literary texts, answer a set of selected-response questions about the texts, and write an extended response that compares and/or explains key literary ideas or elements in the texts.
- Narrative Writing Task - asks students to read a literary text, answer a set of selected-response questions about the text, and then create a narrative related to the text.
Session 1 consists of either the Literary Analysis Task only (grade 3), the Literary Analysis Task and a passage set with one text (grades 4-8), or the Research Simulation Task.

Session 2 consists of either the Research Simulation Task only or the Narrative Writing Task and a passage set with one or two texts.
Session 3, Reading Literary and Informational Texts, asks students to read texts and answer questions to show their understanding of each text. The reading selections may include fiction (e.g., short stories, novel excerpts, poems) and non-fiction (e.g., informational texts from across the disciplines of science, history, and the arts). Students will answer only selectedresponse questions about each text. No writing is included in this session.
Table 1 (next page) outlines the two possible designs of the LEAP 2025 ELA Assessment. The first part of the table shows the test design when the Literary Analysis Task is administered, while the second part of the table shows the test design when the Narrative Writing Task is administered. The number of texts listed in session 3 of the table reflects the operational test only. An additional passage set will also be included for field test purposes.

More information regarding test design can be found in the LEAP 2025 Assessment Guide for Grades 3-8 English Language Arts.

Table 1: Spring 2022 LEAP 2025 ELA Test Design (Grades 3-8)
Literary Analysis Task Administered

| Test <br> Session | Focus of Session | Number of Passages | Number/Type of Items | Subcategories Measured |
| :---: | :---: | :---: | :---: | :---: |
| Session 1 | Literary Analysis Task <br> AND <br> Reading Passage Set (grades 4-8 only) | 2 | 6 questions about texts | Reading Literary Text and Reading Vocabulary |
|  |  |  | 1 writing prompt | Reading Literary Text, Written Expression, and Knowledge of Language and Conventions |
|  |  | 1 | 4 questions about texts | Reading Literary Text or Reading Informational Text, and Reading Vocabulary |
| Session 2 | Research Simulation Task | 2-3 | 6-8 questions about texts | Reading Informational Text and Reading Vocabulary |
|  |  |  | 1 writing prompt | Reading Informational Text, Written Expression, and Knowledge of Language and Conventions |
| Session 3 | Reading Literary and Informational Texts | 1-3 | 6-10 questions about texts | Reading Literary Texts, Reading Informational Texts, and Reading Vocabulary |
| OR |  |  |  |  |
| Narrative Writing Task Administered |  |  |  |  |
| Test Session | Focus of Session | Number of Passages | Number/Type of Items | Subcategories Measured |
| Session 1 | Research Simulation Task | 2-3 | 6-8 questions about texts | Reading Informational Text and Reading Vocabulary |
|  |  |  | 1 writing prompt | Reading Informational Text, Written Expression, and Knowledge of Language and Conventions |
| Session 2 | Narrative Writing Task <br> AND <br> Reading Passage Set with one or two texts | 1 | 4 questions about texts | Reading Literary Text and Reading Vocabulary |
|  |  |  | 1 writing prompt | Written Expression and Knowledge of Language and Conventions |
|  |  | 1-2 | 4-6 questions about texts | Reading Literary Text and/or Reading Informational Text and Reading Vocabulary |
| Session 3 | Reading Literary and Informational Texts | 2-3 | 8-10 questions about texts | Reading Literary Texts, Reading Informational Texts, and Reading Vocabulary |

## The Mathematics Test

Each item on the LEAP 2025 mathematics assessment is referred to as a task and is identified by one of three types: Type I, Type II, and Type III. Each of the three task types is aligned to one of four reporting categories: Major Content, Additional \& Supporting Content, Expressing Mathematical Reasoning, and Modeling \& Application.
Type I tasks, designed to assess conceptual understanding, fluency, and application, are aligned to the major content specified for each grade (reported in subcategory A, Major Content) and additional and supporting content (reported in subcategory B, Additional \& Supporting Content). Type II tasks are designed to assess student reasoning ability with the major content for the current grade level or previous grade level (reported in subcategory C, Expressing Mathematical Reasoning). Type III tasks are designed to assess student modeling ability with specified content of the current grade level or previous grade level (reported in subcategory D, Modeling \& Application).

These reporting categories are the same as the reporting categories on the Spring 2021 mathematics student reports and will provide parents and educators valuable information about overall student performance, including readiness to continue further study in mathematics; student performance, which may help identify when students need additional support or more challenging work; and how well schools and school systems are helping students achieve higher expectations. The Major Content reporting category will be further divided into subcategories based on the Achievement Level Descriptors for the corresponding grade level. More information about Achievement Level Descriptors can be found in the Assessment Library.
Table 2 shows the total number of questions for each type of task by grade.

| Table 2: LEAP 2025 Mathematics <br> Points per Grade by Subcategory |  |  |  |
| :--- | :---: | :---: | :---: |
| Subcategory | Type | Grades <br> $3-5$ | Grades <br> $\mathbf{6 - 8}$ |
| Major Content | I | 40 | 40 |
| Additional and Supporting <br> Content |  | 10 | 14 |
| Expressing Mathematical <br> Reasoning | II | 10 |  |
| Modeling and Application | III | 12 | 12 |
| Total |  | 62 | 66 |

## The Social Studies Test

The LEAP 2025 social studies assessments reflect the instructional priorities for social studies by providing students with opportunities to demonstrate their understanding of the content through a variety of item types and to engage with source documents. Students apply their understanding of the content by making connections and showing relationships among ideas, people, and events within and across time and place.

The LEAP 2025 social studies assessments have a set-based design.

- One to six related source documents provide the context from which students answer sets of questions.
- Questions ask students to use content knowledge and the source documents to show an understanding of social studies content and concepts.
- Item sets include selected-response questions (multiple choice, multiple select) and some sets culminate with a short constructed-response or technology-enhanced item.
- In grades 5-8, the task set contains selected-response questions and an extended response. The extended-response item is worth up to eight points and scored using a two-dimensional rubric that measures content and claims.

Sets and standalone items include a variety of source documents, such as:

- excerpts from text-based primary and/or secondary sources
- authentic and/or reproductions of historical maps
- charts, tables, and/or graphs
- timelines and/or series of events
- graphic organizers and/or diagrams
- illustrations, paintings, and/or photographs
- historical posters and/or political cartoons

Table 3 (below) outlines the design of the operational LEAP 2025 social studies assessment.

More information regarding test design can be found in the LEAP 2025 Assessment Guide for Social Studies Grades 3-8.

| Table 3: Spring 2022 LEAP 2025 Social Studies Test Design |  |
| :---: | :--- | :--- | :--- |
| (Grades 3-8) |  |

## The Science Test

The spring 2022 operational test assesses a student's understanding of the grade level Louisiana Student Standards for Science (LLS for Science) reflecting the multiple dimensions of the standards. The standards call for students to

1. apply content knowledge;
2. investigate, evaluate, and reason scientifically; and
3. connect ideas across disciplines.

The LEAP 2025 science assessments have a set-based design. The tests include item sets, task sets, and standalone items. A scientific phenomenon provides the anchor for each set or standalone item. Stimulus materials, related to the scientific phenomenon, provide context and focus for sets. A variety of stimulus materials provide context for each described phenomenon. Art is used to help convey information in a simplified form, examples include maps, charts, data tables, bar or line graphs, diagrams, pictures, photographs, or artist's renderings. In addition to the information presented in the stimulus materials, the questions require students to bring in content knowledge from the course to demonstrate their understanding of science. Some item sets culminate with a short constructed-response and the task set culminates with an extended-response item. Each test includes a few standalone items which are not part of an item set or task set.

Table 4 (next page) outlines the design of the LEAP 2025 science assessment.

| Table 4: Spring 2022 LEAP 2025 Science Test Design <br> (Grades 3-8) |  |  |  |
| :---: | :---: | :---: | :---: |
| Grade | Test Session | Component | Number and Types of Questions |
| Grade 3 | Session 1 | 2 Item Sets | 6 Item Sets, 12 Standalone Items |
|  |  | Standalone Items |  |
|  | Session 2 | 4 Item Sets |  |
|  |  | Standalone Items |  |
| Grade 4 | Session 1 | 3 Item Sets | 7 Item Sets, 8 Standalone Items |
|  |  | Standalone Items |  |
|  | Session 2 | 4 Item Sets |  |
| $\begin{gathered} \text { Grades } \\ 5-8 \end{gathered}$ | Session 1 | 3 Item Sets | 5 Item Sets, 1 Task Set, 12 Standalone Items |
|  |  | Standalone Items |  |
|  | Session 2 | Task Set |  |
|  |  | 2 Item Sets |  |
|  |  | Standalone Items |  |

## SCORING

LEAP 2025 ELA, mathematics, social studies, and science tests contain multiple types of items that allow students the opportunity to demonstrate their knowledge in different ways. More detailed information on these item types and scoring rubrics can be found in the LEAP 2025 ELA, Mathematics, Social Studies, and Science Assessment Guides.

## ELA Item Types and Scoring

The 2022 LEAP 2025 ELA assessment includes several types of items, as described below.

Evidence-Based Selected Response (EBSR): This item type consists of two parts; one part asks students to show their understanding of a text and the other part asks students to identify evidence to support and extend that understanding. The EBSR items are worth two points, and students can earn partial credit (1 point). For more information about how to score the EBSR items, see the LEAP 2025 ELA Practice Test Guidance.
Multiple-Select (MS): This item type asks students to choose more than one correct answer and may appear as a one-part question or as part of an EBSR item. Whenever this item type is used, the question always identifies in boldface print the number of correct answers required. The MS items are worth two points, and students can earn partial credit (1 point). For more information about how to score the MS items, see the LEAP 2025 ELA Practice Test Guidance.

Technology-Enhanced (TE): This item type uses technology (e.g., drag and drop, drop-down menu, text highlighting/select) to capture student comprehension of texts. Each TE item is worth two points, which means students can earn partial credit (1 point). For more information about the different kinds of TE items and where to find examples of each type, refer to LEAP 2025 Technology-Enhanced Item Types.
Prose Constructed Response (PCR): This item type appears at the end of each of the two tasks and asks students to create an extended and complete written response. It elicits evidence that students have understood a text or texts they have read and can communicate that understanding well, both in terms of written expression and knowledge of language and conventions. For detailed information about the scoring of the PCRs, see the LEAP 2025 Assessment Guide for Grades 3-8 English Language Arts.

## Mathematics Item Types and Scoring

The LEAP 2025 mathematics assessment, administered in spring 2022, also includes several different types of items. All of the following item types, except for the technology-enhanced items, appear on both the paper-based and computer-based versions of the tests.

Multiple-Choice (MC): This item type consists of a question and four answer options with only one correct answer. The MC items are worth one point each.

Multiple-Select (MS): This item type consists of a question and five to seven answer choices with more than one correct answer. The MS items are worth one point each. However, all correct options must be chosen and no incorrect options may be chosen. No partial credit is given.

Short Answer (SA): This item type asks students to key numeric answers into an entry box using the keyboard and may appear as a one-part question, as part of a two-part question, or as a part of a CR item. The SA items are worth one point. Unless specified in the question, a student will earn credit for an answer that is equivalent to the correct numerical answer. Answers to SA items must be entered as whole numbers or in decimal form.
Constructed-Response (CR): This item type requires students to demonstrate reasoning or modeling ability with mathematics skills and concepts by writing or typing a response into a response box. Students testing online have access to an equation builder tool to help type specific mathematics characters. The items are worth three, four, or six points each.

Keypad Input (KI) (Grades 5-8 only): This item type asks students to key numeric or algebraic answers in the form of fractions, mixed numbers, expressions, equations, or inequalities. This item type may appear as a onepart question, as part of a two-part question, or as a part of a constructed response item. The KI items are worth one point. Unless specified in the question, a student will earn credit for an answer that is equivalent to the correct numeric or algebraic response.

Technology-Enhanced (TE): This item type uses innovative, engaging ways to assess student understanding. A TE item may require the student to sort shapes into categories by using a drag-and-drop tool, show a fraction or an area by selecting cells in a figure, or create angles by rotating rays. They are worth one point each. For more information about the different kinds of TE items and where to find examples of each type, refer to
LEAP 2025 Technology-Enhanced Item Types.

## Social Studies Item Types and Scoring

The 2022 LEAP 2025 social studies assessment includes several types of items, as described below.

Selected Response (SR): This item type includes traditional multiple-choice (MC) questions with four answer options and only one correct answer as well as multiple-select (MS) questions with more than four answer options and two or more correct answers. All SR items are worth one point each and students cannot earn partial credit. The question identifies the number of correct answers required.

Constructed Response (CR): This item type appears at the end of some item sets and asks students to write a brief response to a question that is scored using an item-specific rubric with a scale of 0-2 points. Some CR items may include two parts in order to support the assignment of two score points.

Technology-Enhanced (TE) (Grades 5-8 only): This item type appears at the end of item sets and uses interactive technology to capture students' understanding in ways that cannot be accomplished by selected-response (SR) items. TE items are worth up to two points and may include interactive features such as, but not limited to, drag and drop, drop-down menus, and text highlighting. For more information about the different kinds of TE items and where to find examples of each type, refer to LEAP 2025 Technology-Enhanced Item Types.
Extended Response (ER) (Grades 5-8 only): This item type appears at the end of the task set. The ER item asks students to write an in-depth response that expresses and develops a claim, incorporating their knowledge of content and concepts along with evidence from the source documents. The ER item is worth up to eight points and is scored using a two-dimensional rubric that measures content and claims. Each dimension is scored using a rubric with a scale of 0-4 points.

## Science Item Types and Scoring

Selected Response (SR): This item type includes traditional multiple-choice (MC) questions with four answer options and only one correct answer, as well as multiple-select (MS) questions with five or six answer options and more than one correct answer. For MS items, the question identifies the number of correct answers. All SR items are worth one point each.
Technology Enhanced (TE) (Grades 5-8 only): This item type uses technology to capture student comprehension in authentic ways, previously difficult to score by machine for large-scale assessments. TE items are worth up to two points and may include item types such as, but not limited to, drag and drop, drop-down menus, and hot spots. For more information about the different kinds of TE items and where to find examples of each type, refer to LEAP 2025 Technology-Enhanced Item Types.
Two-part item: This item type requires students to answer two related questions, worth two points. Two-part items may combine SR and TE item types.

- Two-part Dependent (TPD): the first part must be correct in order to earn credit for the second part.
- Two-part Independent (TPI): each part is scored independently.

Constructed Response (CR): This item type requires a brief response provided by the student and will be scored using a 2-point rubric. These items may require a brief paragraph, a few sentences, and/or completion of a chart.
Extended Response (ER) (Grades 5-8 only): This item type asks students to write a response that expresses the students' ability to apply all three dimensions of the LSS for Science and will be scored using a 9-point rubric.

## INTERPRETING SCORES AND ACHIEVEMENT LEVELS

This section explains some key terms used in the LEAP 2025 ELA, mathematics, social studies, and science reports, along with explanations about how to best use the information in the reports. Please refer to this section as needed when reading other sections of this guide or when using LEAP 2025 test reports to understand student performance or the performance of a school, a school system, or the state.

## Scale Score

## Definition

Scale scores are derived from raw scores (the sum of points for all items on the test) using methods that take into account differences in difficulty among forms within a content area or grade. The use of scale scores avoids a misunderstanding associated with scores such as interpreting percentage correct to mean the same thing as percentage of subject matter mastered. Since test items represent only a sample of questions that could be asked, it is false to assume that a percentage of those items represents some actual percentage of information learned in that content area. LEAP 2025 ELA, mathematics, social studies, and science scale scores have a range of 650 to 850 for all grades. Refer to Table 5 on page 8 to see the scale-score ranges.

## Uses

Scale scores are used to represent student performance on LEAP 2025 tests. A higher scale score represents more knowledge, skill, and ability than a lower scale score. Scale scores for the same test can be compared regardless of when students were tested or which form was taken. For example, the scale-score range for the Basic achievement level on the LEAP 2025 grade 4 mathematics test is 725-749. Because the range does not change from year to year, a student who receives a scale score within this range on the LEAP 2025 grade 4 mathematics test in any year will score at the Basic achievement level.

## Comparability

Scale scores are comparable for results within the same grade and the same content area across years.

Table 5: LEAP 2025 ELA, Mathematics, Social Studies, and Science Scale-Score Ranges

| Content Area | Achievement Level | Grade 3 | Grade 4 | Grade 5 | Grade 6 | Grade 7 | Grade 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ELA | Advanced | 810-850 | 790-850 | 799-850 | 790-850 | 785-850 | 794-850 |
|  | Mastery | 750-809 | 750-789 | 750-798 | 750-789 | 750-784 | 750-793 |
|  | Basic | 725-749 |  |  |  |  |  |
|  | Approaching Basic | 700-724 |  |  |  |  |  |
|  | Unsatisfactory | 650-699 |  |  |  |  |  |
| MATHEMATICS | Advanced | 790-850 | 796-850 | 790-850 | 788-850 | 786-850 | 801-850 |
|  | Mastery | 750-789 | 750-795 | 750-789 | 750-787 | 750-785 | 750-800 |
|  | Basic | 725-749 |  |  |  |  |  |
|  | Approaching Basic | 700-724 |  |  |  |  |  |
|  | Unsatisfactory | 650-699 |  |  |  |  |  |
| SOCIAL STUDIES | Advanced | 777-850 | 783-850 | 782-850 | 773-850 | 777-850 | 780-850 |
|  | Mastery | 750-776 | 750-782 | 750-781 | 750-772 | 750-776 | 750-779 |
|  | Basic | 725-749 |  |  |  |  |  |
|  | Approaching Basic | 695-724 | 696-724 | 700-724 | 698-724 | 704-724 | 700-724 |
|  | Unsatisfactory | 650-694 | 650-695 | 650-699 | 650-697 | 650-703 | 650-699 |
| SCIENCE | Advanced | 773-850 | 778-850 | 781-850 | 782-850 | 790-850 | 782-850 |
|  | Mastery | 750-772 | 750-777 | 750-780 | 750-781 | 750-789 | 750-781 |
|  | Basic | 725-749 |  |  |  |  |  |
|  | Approaching Basic | 698-724 | 704-724 | 698-724 | 701-724 | 702-724 | 694-724 |
|  | Unsatisfactory | 650-697 | 650-703 | 650-697 | 650-700 | 650-701 | 650-693 |

## Achievement Level

## Definitions

Achievement-level definitions briefly describe the expectations for student performance at each of Louisiana's five achievement levels:

- Advanced: Students performing at this level have exceeded college and career readiness expectations and are well prepared for the next level of study in this content area.
- Mastery: Students performing at this level have met college and career readiness expectations and are prepared for the next level of study in this content area.
- Basic: Students performing at this level have nearly met college and career readiness expectations and may need additional support to be fully prepared for the next level of study in this content area.
- Approaching Basic: Students performing at this level have partially met college and career readiness expectations and will need much support to be prepared for the next level of study in this content area.
- Unsatisfactory: Students performing at this level have not yet met the college and career readiness expectations and will need extensive support to be prepared for the next level of study in this content area.

Table 5 (on page 8) lists the range of scale scores for each achievement level. More information on the Achievement Level Descriptors can be found in the Assessment Library.

## Uses

The number and percent in achievement levels are reported at the school, school system, and state levels. Since this information is based on scale scores, it is comparable across groups for the same test regardless of when the test was taken or which form was taken. Unlike scale scores, it may be used to monitor group performance over time. For example, if 15 percent of grade 4 students taking the ELA test had scores in the Mastery achievement level range last year, but 12 percent of those same students have scores in the Mastery achievement level for the Spring 2022 grade 5 test, then there has been a decrease in the number of students with scores in the Mastery achievement level for that
group. This could mean that a greater percentage of students scored at a higher achievement level, a lower achievement level, or some students scored at a higher level while others scored at a lower level.

## Limitations

Because the achievement-level definitions are the same across grade levels, the achievement-level information offers more comparison opportunities than the scale scores. However, the achievement level only tells part of the student's story, so other relevant information (e.g., student work samples, course grades, teacher observations, etc.) should be examined when analyzing achievement levels.

## Student Rating by Reporting Category and Subcategory

## Definition

Performance is also broken down into categories and subcategories within each subject. Included with each category or subcategory is a rating of one to three stars and a performance description (Strong, Moderate, or Weak). These ratings are linked to raw scores within each category or subcategory. Although the performance rating is determined only by the items included within a category or subcategory, the level of knowledge and ability needed to achieve a performance rating is connected to the level of knowledge and ability required by the subject-level achievement tests:

- a Strong rating requires similar knowledge and ability of at least the Mastery achievement level;
- a Moderate rating requires similar knowledge and ability as the Basic achievement level; and
- a Weak rating is comparable to the knowledge and ability required below the Basic achievement levels.

The raw score needed to obtain each performance rating within a category or subcategory can vary by form and content area.

## Uses

The ratings are used to show student performance within each category or subcategory. When working with the student rosters, a school or school system can use the ratings to compare student performance within the school, school system, or state average. This information shows a student's relative standing compared to the reference group. By analyzing the subcategory performance across a group of students, a school can determine areas of weaknesses and strengths and adjust instruction accordingly.

## Limitations

The performance-based rating system only allows for broad interpretation of the score received in each category or subcategory and does not give a specific number value. For instance, if a student receives a Moderate rating within a subcategory, it is not known if that student's performance is closer to the Strong performance rating or closer to the Weak performance rating. There are fewer points in each subcategory, which means the information should be used in conjunction with other relevant information (e.g., student work samples, course grades, observations of teachers, etc.), especially when discussing individual student interventions.

## STUDENT-LEVEL REPORTS

## Sample Student Report: Explanation of Results and Terms

Online Student Reports for each school are posted by grade and may be downloaded and printed from DRC INSIGHT Portal (https://la.drcedirect.com) by school systems and by schools. Schools should print two copies of each report for each student. One copy should be sent home and the second copy filed in the student's cumulative folder.

The Student Report summarizes the student's performance in ELA, mathematics, social studies, and science. The following sample student reports are provided in this guide:

- Sample Student Report A-grade 5 LEAP 2025 ELA
- Sample Student Report B-grade 5 LEAP 2025 mathematics
- Sample Student Report C-grade 5 LEAP 2025 social studies
- Sample Student Report D-grade 5 LEAP 2025 science

Also available on the LDOE website is the Parent Guide to the LEAP 2025 Student Reports. This document should be included when sending individual student reports home so parents can better understand how to read and use their child's ELA, mathematics, social studies, and science reports.
The sample student reports present realistic data for a fictitious student and include circled numbers that identify important parts of the reports. The information that follows explains what each circled number represents and how that information may be used when analyzing the reports. It may be helpful to refer to the explanations found in the earlier section, Interpreting Scores and Achievement Levels (see page 7), when reading through this section.

## (1) overview

This section provides a brief explanation of the purpose of testing and scope of the report. It also includes information about where to find additional resources regarding testing, interpreting results, and instructional resources.

## (2) OVERALL STUDENT PERFORMANCE

Results are reported according to five achievement levels: Advanced, Mastery, Basic, Approaching Basic, and Unsatisfactory. Scale scores range from 650 to 850 (refer to Table 5 on page 8 of this guide to see the ranges of scores for each achievement level by content area).

On sample report A, John's scale score for the ELA test is 757. This corresponds to Level 4, the Mastery achievement level.

Sample report B shows a mathematics scale score of 739 for John. This corresponds to Level 3, the Basic achievement level.

Sample report C shows John's scale score for the social studies test is 731 . This also corresponds to Level 3, the Basic achievement level.
Sample report D shows John's scale score for the science test is 731 . This corresponds to Level 3, the Basic achievement level.

## (3) SCHOOL SYSTEM AND STATE AVERAGE

For a more complete picture of the student's performance, it is helpful to compare the student's achievement level and scale score to the school system and state averages, located on the right of the Overall Student Performance information.

Sample report B shows that John's overall score of 739 for mathematics is better than the school system average score of 724, but lower than the overall state average score of 748 for mathematics. However, both John's score and the state average score are within the Basic achievement level.

## (4) REPORTING CATEGORY PERFORMANCE INDICATORS

Reporting category performance indicators are located below the Overall Student Performance field. Within each content area there are specific skill sets students demonstrate.

These reporting categories are not reported using scale scores or achievement levels. Instead, they are rated using the 3-tiered system shown on the student report.

- Three stars indicate a Strong Performance and that the student exceeded or met expectations and is prepared for further study.
- Two stars indicate a Moderate Performance and that the student nearly met expectations and may need additional support to be fully prepared for further study.
- One star indicates a Weak Performance and that the student partially met or did not meet expectations and will need significant support for further study.


# Sample Student Report: Explanation of Results and Terms (continued) 

## ELA Reporting Categories

The ELA test measures the major categories of Reading and Writing and includes performance ratings for each category. A student's performance on these categories can be compared to the state percent for these categories. For example, on sample report A, the student's performance rating for Reading is Moderate, which indicates the student may need additional support to be fully prepared for further study. When comparing this student's Reading performance to the state ratings, the student did as well as the 50 percent of students in the state who also achieved a Moderate performance rating, but did not perform as well as the 30 percent of students who achieved the Strong performance rating for this category. However, this student did outperform the 20 percent of students in the state who achieved a Weak performance rating in Reading.
Student performance in Reading and Writing is also broken down further by including information about performance by subcategory.
Reading Subcategories

- Literary Text
- Informational Text
- Vocabulary

Writing Subcategories

- Written Expression
- Knowledge \& Use of Language Conventions

These performance indicators can help parents and educators understand which specific areas they might focus on to help the student be better prepared for the next level of study. For example, on sample report A, John's performance rating in the Informational Text subcategory is Moderate, meaning he may need additional support going forward. John's Strong performance rating in the subcategory Literary Text indicates John is able to read and understand complex grade-level fiction, drama, and poetry. If John had shown a Weak performance rating in the Informational Text subcategory this may have been a specific area that John could focus on to improve his overall Reading performance in the future.

## Mathematics Reporting Categories

The mathematics test is reported by:

- Major Content with grade-specific subcategories
- Additional \& Supporting Content
- Expressing Mathematical Reasoning
- Modeling \& Application

Like the subcategories for ELA, the performance indicators on each mathematics category can help parents and educators understand which specific areas they can focus on to help the student be better prepared for the next level of study. For example, on sample report B, John's Moderate performance rating on the Major Content and Strong performance rating on Additional and Supporting Content may indicate that although John has a fair understanding of grade-level mathematics content, he struggles with other aspects of his understanding.

## Social Studies Reporting Categories

The social studies test measures the reporting categories of History, Geography, Civics, and Economics and includes performance ratings for each reporting category. For example, on the sample report, John's performance rating for Geography is Moderate, which indicates he may need additional support to be fully prepared for further study.

## Science Reporting Categories

The science test measures the reporting categories of Investigate, Evaluate, and Reason Scientifically, and includes performance ratings for each reporting category. For example, on sample report D, John's performance rating for Evaluate is Moderate, which indicates he may need additional support to be fully prepared for further study.

## (5) PERCENT OF STUDENTS AT EACH ACHIEVEMENT LEVEL

The chart on the lower right side of the student report lists the percentage of students in each achievement level by school, school system, and the state. This information allows users to compare an individual student's overall achievement level with the achievement level of their peers. Sample report B shows that John's achievement level is Basic. John's report shows his scale score is slightly above average for one of the most common achievement levels among students in his school system.
Totals in this category may not equal 100 percent due to rounding.

## Sample Student Report: Explanation of Results and Terms (continued)

## 6 ACHIEVEMENT-LEVEL DESCRIPTORS

The left side of the Student Achievement Level chart shows the score ranges and short definitions that correspond with the achievement levels. This information helps define the expectations relative to each achievement level.
ceave
HOW SHOULD THESE
The scores and ratings may be used to help teachers
identify students who need additional support
or more challenging work in each subject. The
information will also be used to measure how well
schools and school systems are helping students
achieve higher expectations.
As a parent, you can use the test results to guide
a discussion with your child's teacher(s) about
additional supports or enrichment that may be
needed in class and at home.
 TO ASK WHEN DISCUSSING THE RESULTS
WITH YOUR CHILD'S TEACHER(S): WITH YOUR CHILD'S TEACHER(S): In what areas is my child doing well and in
what areas does my child need improvement? $\rightarrow$ What can be done in the classroom to help


$\rightarrow$ How do we ensure that my child continues
to progress?
 $-\frac{\sum}{<}$



| Level | Achievement Level Performance | Achievement Level Descriptor |
| :--- | :--- | :--- |
| (5 | Advanced (799--50) | Exceeded Expectations |
| (4) | Mastery (750--98) | Met Expectations |
| (3) | Basic (725-749) | Nearly Met Expectations |
| (2) | Approaching Basic (700-724) | Partilly Met Expectations |
| (1) | Unsatisfactory (650-699) | Expectations Not Yet Met |

Performance is also broken down into reporting
categories and/or subcategories, as shown in the
example below.

| Level | Achievement Level Performance | Achievement Level Descriptor |
| :--- | :--- | :--- |
| (5) | Advanced (799-850) | Exceeded Expectations |
| 4. | Mastery (750-798) | Met Expectations |
| (3) | Basic (725-749) | Nearly Met Expectations |
| (2) | Approaching Basic (700-724) | Partially Met Expectations |
| (1) | Unsatisfactory (650-699) | Expectations Not Yet Met | In each reporting category and subcategory, your

child is provided a rating of one to three stars, with a
 the support needed moving forward. your child met the expectations for that grade and
subject. The score ranges change slightly across
grade levels and subjects.

| Level | Achievement Level Performance | Achievement Level Descriptor |
| :---: | :--- | :--- |
| $\begin{array}{lll}\text { (5) } & \text { Advanced (799-850) } & \text { Exceeded Expectations } \\ \text { 4. } & \text { Mastery }(750-798) & \text { Met Expectations } \\ \text { (3) } & \text { Basic (725-749) } & \text { Nearly Met Expectations } \\ \text { (2) } & \text { Approaching Basic (700-724) } & \text { Partially Met Expectations } \\ \text { 1 } & \text { Unsatisfactory (650-699) } & \text { Expectations Not Yet Met }\end{array}$ |  |  |. A chart at the bottom of the report outlines what each

of the achievement levels means in terms of how well
your child met the expectations for that grade and
subject. The score ranges change slightly across
grade levels and subjects.


At the top of each report is information about
your child's overall performance, which includes your child's overall performance, which includes ( overall scale score ( $\downarrow$ the type of support your child will need based on their performance on the test ( $)$ how many points your child is from achieving Mastery (English language arts and Mathematics only)

##  <br> 

 PERFORM ON THE LEAP2025 TESTS THIS YEAR?
-



Sample Student Report C


Sample Student Report D


## SCHOOL ROSTER REPORT

## Sample School Roster Report: Explanation of Results and Terms

The School Roster Report is posted in PDF format and may be downloaded and printed from DRC INSIGHT Portal (https://la.drcedirect.com) by school systems and by schools. For most schools, the report has multiple pages.
The School Roster Report, which provides summary information about student performance on the ELA, mathematics, social studies, and science tests, is a useful tool for identifying regular or special education students who might be performing below the school average in specific content areas. The report lists regular education students and special education students separately. It can also be helpful in determining if there are school-wide strengths or weaknesses in a particular content area.

The sample school roster report provided shows ELA, mathematics, social studies, and science results for fictitious grade 5 regular and special education students and includes circled numbers that identify important parts of the report. The information that follows explains what each circled number represents and how that information may be used when analyzing the report. It may be helpful to refer to the explanations found in the earlier section, Interpreting Scores and Achievement Levels (see page 7), when reading through this section.

## (1) ACHIEVEMENT-LEVEL SCALE-SCORE RANGES

The scale-score ranges associated with each achievement level are shown at the bottom of the report page. These ranges can be useful for understanding the achievement level rankings in relation to one another and in determining how close a student's score may be in relation to another achievement level. For example, a student receiving a scale score of 724 on the social studies test will be at the Approaching Basic achievement level, but only one point away from the Basic achievement level.

## (2) SCHOOL PERCENT IN ACHIEVEMENT LEVEL AND RATINGS

The table on the first page of the report, titled School-Level Percent of Students at Each Achievement Level and Rating by Category/Subcategory, shows the percentage of students in the school that scored at each achievement level and the percentage of students who scored in each rating category within the categories and/or the subcategories that comprise the test.

On the sample roster report, a total of 48 percent of students in the school scored at lower achievement levels for the mathematics test, with 24 percent at the Approaching Basic achievement level and 24 percent at the Unsatisfactory achievement level.

The percent of students in the ELA table can also provide a quick overview of which subcategory areas might be targeted when making instructional decisions. For instance, the Knowledge and Use of Language Conventions subcategory is where the most students (60 percent) received a Weak performance rating. This information might lead to an evaluation of writing instruction to see how student performance in this area might be improved.

## (3) SCHOOL AVERAGE

Scale-score averages for ELA, mathematics, social studies, and science are presented near the bottom of the school roster reports. The first page of the sample school roster report shows the average for all students in the school who took the grade 5 test. Students with tests that were voided due to testing irregularities are included in the participation count, but they are not included in the school's average scale-score calculations.

These percentages can be used to help assess a student's relative standing within a grade level. For example, on page 22, the sample school roster report shows Claire Carmouche's scale score of 735 on the ELA test is higher than the average scale score of 730 for the school, but Thomas Blake's scale score of 655 on the mathematics test is lower than the average scale score of 727 for the school (page 25). In the case of social studies, for example, on page 28 of the sample school roster report, James Cook's scale score of 795 is higher than the average scale score of 720 for the school. Daniel Cooper's scale score of 715 is lower than the average scale score for the school. For the science test, Joseph Jones's scale score of 734 is lower than the average score of 738 for the school.

## Sample School Roster Report: Explanation of Results and Terms (continued)

## 4 ROSTER OF STUDENTS TESTED

In the far left column of the sample school roster report, a list of students who tested in the school is printed alphabetically by last name and first name. The second column from the left lists the student's state identification number. Pages 22 and 23 of the sample ELA school roster report provide information for regular and special education students.

## 5 PERFORMANCE DATA

Each student's performance on the tests can be found in the columns to the right of the student information on each school roster report by content area, with ELA followed by mathematics and then followed by social studies and science. When reading across each row, users will see the student's achievement level and scale score, followed by the performance rating for each category and/or subcategory. The ELA and mathematics reports include the number of points that a student needs to obtain an achievement level of mastery.

For example, in the sample school roster report, Kenneth Carlson received a scale score of 665 on the ELA test, which corresponds to the Unsatisfactory achievement level. Kenneth's overall performance rating in Reading, as well as his performance rating in Informational Text and Vocabulary, is listed as Weak, while his rating in the Literary Text subcategory is Strong. Kenneth's overall performance rating for Writing is Moderate, while his performance rating for the Written Expression subcategory is Weak, with a performance rating of Moderate in the subcategory Knowledge \& Use of Language Conventions. Continuing to the mathematics School Roster Report, Kenneth's overall achievement level for mathematics is listed as Unsatisfactory. His scale score for mathematics is 665 . His performance score in the subcategories of Major Content, Operations with Decimals, and Solve Fraction Problems are all listed as Weak. Kenneth received a scale score of 665 on the social studies test, which corresponds to the Unsatisfactory achievement level. Kenneth's overall performance rating in the reporting categories for History, Geography, and Civics are listed as Weak, while his rating in the reporting category for Economics is Moderate. On the science test, Kenneth received a scale score of 725 , which corresponds with the Basic achievement level. His performance ratings are different between the three reporting categories. His performance rating in Investigate is Strong, in Reason Scientifically is Moderate, and in Evaluate is Weak.

The rosters facilitate a comparison among students in the same school for the same content area, categories, and/or subcategories. For example, Nina Garcia and Alex McDonald both scored at the Basic achievement level for mathematics. However, when comparing their subcategory ratings, Nina's rating is higher on the category of Expressing Mathematical Reasoning, lower on the category Modeling \& Application, and the same on the subcategories of Operations with Decimals and Solve Fraction Problems.

By comparing this school-level information to an individual student's performance, a school can determine a student's relative standing. For instance, on page 29, Jane Smith's achievement level of Approaching Basic in social studies is the same as 26 percent of students (page 27). Her performance rating of Weak on the Civics reporting category is the same as 25 percent of the students. Her performance rating of Strong on the Geography reporting category is the same as 14 percent of students included in the reports.
The asterisk (*) replacing Jennifer Evans' ELA scale score indicates she received no score because her test is voided due to a test security violation.

If a student did not take a test and did not have a valid accountability code, the Achievement Level, Scale Score, and all performance ratings for the categories and subcategories will be blank. For example, on page 23 of the sample school roster reports, Ralph Unger did not attempt to take the ELA test.

## Sample ELA School Roster Report

LEAP 2025
English Language Arts Spring YYYY

Grade: 5
Report Date: XX/XX/XXXX

School: 002 Egret High School School System: 040 Pelican Parish

School-Level Percent of Students at Each Achievement Level and Rating by Category/Subcategory


Scale Score Average
©

$$
\begin{array}{|c}
\hline \text { School Average (All Students) } \\
\hline 730
\end{array}
$$



## PERFORMANCE RATING

: Strong M: Moderate W: Weak

* Tests that are voided due to test irregularities are included in the total participation count, but the scores are not included in the school averages.


## Sample ELA School Roster Report (continued)



## Sample ELA School Roster Report (continued)



## Sample Mathematics School Roster Report

LEAP 2025
Mathematics
Spring YYYY

Grade: 5
Report Date: XX/XX/XXXX

School: 002 Egret High School School System: 040 Pelican Parish

School-Level Percent of Students at Each Achievement Level and Rating by Category/Subcategory

|  | (2) |  |  | Mathematics |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \% at Each Achievement Level |  | Mathematics Reporting Category |  |  |  |  |  |  |  |
|  |  |  |  | Major Content Subcategory |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Advanced | 12 | Strong (S) | 12 | 16 | 20 | 32 | 24 | 24 | 48 | 32 |
| Mastery | 20 |  |  |  |  |  |  |  |  |  |
| Basic | 20 | Moderate (M) | 64 | 52 | 56 | 48 | 52 | 24 | 20 | 32 |
| Approaching Basic | 24 | Weak (W) | 24 | 32 | 24 | 20 | 24 | 52 | 32 | 36 |
| Unsatisfactory | 24 |  |  |  |  |  |  |  |  |  |

(3) Scale Score Average

School Average (All Students)
727


## PERFORMANCE RATING

S: Strong M: Moderate W: Weak

* Tests that are voided due to test irregularities are included in the total participation count, but the scores are not included in the school averages.


## Sample Mathematics School Roster Report (continued)



## Sample Mathematics School Roster Report (continued)



## Sample Social Studies School Roster Report

LEAP 2025
Social Studies
Spring YYYY

Grade: 5
Report Date: XX/XX/XXXX

School: 002 Egret High School School System: 040 Pelican Parish

School-Level Percent of Students at Each Achievement Level and Rating by Category


Scale Score Average
(3)


PERFORMANCE RATING
S: Strong M: Moderate W: Weak

* Tests that are voided due to test irregularities are included in the total participation count, but the scores are not included in the school averages.


## Sample Social Studies School Roster Report (continued)



## Sample Social Studies School Roster Report (continued)



## Sample Science School Roster Report

| Grade: 5 | School: 002 Egret High School |
| :--- | :--- |
| Report Date: XX/XX/XXXX | School System: 040 Pelican Parish |

School-Level Percent of Students at Each Achievement Level and Rating by Category



PERFORMANCE RATING
S: Strong M: Moderate W: Weak

* Tests that are voided due to test irregularities are included in the total participation count, but the scores are not included in the school averages.


## Sample Science School Roster Report (continued)



## Sample Science School Roster Report (continued)



This page was intentionally left blank.
$0^{02}$ Interpretive Guide


Louisiana Department of Education

