

**MSAA Online Assessment System User Guide for
Test Administrators**

March 14–April 29, 2022



In the event that test administration is impacted by COVID-19, please refer back to state-specific guidelines provided by your State Educational Agency (SEA). If you have any questions, refer back to the MSAA State Coordinators Contact Information on page 1 of the *Test Administration Manual*.

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Document Overview

The MSAA Online Assessment System is the system used to administer the Multi-State Alternate Assessment (MSAA) to participating students. This user guide describes the MSAA Online Assessment System features and provides Test Administrators (TA) an overview of the MSAA testing process, support resources, and step-by-step directions to perform various functions before, during, and after test administration. For the purposes of this manual, the MSAA will be referred to as “the Test,” and the MSAA Online Assessment System will be referred to as “the System.”

Roles and Responsibilities

Users in the System are assigned either the role of TA or TC. TCs are responsible for managing the administration of the Test. TAs are responsible for administering tests to students.

The chart below outlines common actions in the System and who is permitted to perform them. TAs are not allowed to close a student’s test or edit student demographic information. Please refer to state-specific policies linked on page 1 of the *Test Administration Manual (TAM)*.

Action	Test Administrator	School Test Coordinator	District Test Coordinator	State Test Coordinator for MSAA	MSAA Service Center
Start, Pause, Resume, and Submit Tests	X	X	X	X	
Print DTAs and Paper Tests	X	X	X	X	
Complete Student LCIs, SRCs, and Accommodations Tabs	X	X	X	X	
Add or Edit TAs		X	X	X	
Close Tests		X	X	X	
Add Classrooms		X	X	X	
Add or Edit TCs			X	X	
Add Students or Edit Student Demographic Information				X	
Change Test Form Grades				X	
Provide Technical Support					X
Unlock Tests				X	X

MSAA Technical Support



MSAA Service Center Phone: (866) 834-8879



Email: MSAAServiceCenter@cognia.org



Live Chat: [Link at the bottom of the MSAA System Dashboard](#)

The Service Center for the MSAA is available to TAs and TCs from 6 am – 10 pm ET, Monday – Friday, to answer questions about: (1) the MSAA Online Assessment System and (2) test administration procedures. Use this chart to determine the right resource to support your MSAA needs.

Test Administrators: Contact your Test Coordinator when...

You have “How do I...?” questions and you can’t find the answer in the TAM, user guides, or technology requirements (linked at the bottom of the [MSAA Dashboard](#)).
For example, you need to:

- Change a student’s demographic information
- Close a test
- Order paper materials

You do not have a user account.

For example, you receive the message, “Sorry, unrecognized username or password” and cannot resolve the issue with the “Request New Password” button.

- The wrong name is associated with your email address

You do not have the necessary MSAA System permissions to make your requested change.
For example:

- You need to be assigned to a different (or additional) school or district
- You need to make a test grade change

Test Administrators and Test Coordinators: Contact the MSAA Service Center when...

You have “How do I...?” questions and you can’t find the answer in the TAM, user guides, or technology requirements (linked at the bottom of the [MSAA Dashboard](#)), such as:

- You have trouble logging in (and have a user account)
- Your TA has passed the final quiz (≥80%) but cannot access student test materials
- You are a TC with questions about making changes to TAs in your district(s)
- You need to open a locked test

You encounter an error or unusual behavior in the MSAA Online Assessment System with:

- User accounts
- Accessing tests assigned to a student
- Incorrect or missing student information
- Access to the MSAA Test Administration Training for TAs and TCs
- Converting a PDF file to JPEG format for the writing prompts
- Accessing assessment features or a paper accommodation

When contacting the MSAA Service Center, please be prepared to provide as much detail as possible about the issue and the system on which it occurred. Include the following:

1. Your **contact information** (name, state, district, school, phone number, and email address)
2. **Student name**, if applicable, and state ID number when calling or using live chat (Do not provide student name when emailing an inquiry)
3. Any **error messages** that appeared
4. **Operating system** and **browser information**

Test Coordinators: Contact your MSAA State Coordinator when...

You do not have the necessary MSAA System permissions to make your requested change. For example,

- You need to be assigned to a different (or additional) school or district
- You do not have visibility to the appropriate orgs (districts/schools)
- A new student joins your school and needs to be added to the system
- The wrong name is associated with your email address
- A test grade change occurs and a student needs a new test assignment

You have test administration or policy questions regarding:

- Scoring procedures for constructed-response items
- Recording student responses into the MSAA Online Assessment System
- Clarifying requirements of various item types
- Clarifying administration requirements
- Describing how to access assessment features or accommodations

Additional Support

For additional support or questions about this document, please contact the MSAA Service Center:

Phone: (866) 834-8879

Email: MSAAServiceCenter@cognia.org

Live Chat: www.msaaassessment.org, link at the bottom of the MSAA System Dashboard

Note: Never include student information in email. All student-related issues should be handled by phone.

What Is the MSAA Online Assessment System?

The System is used to administer the Test to participating students.

MSAA Online Assessment System Website

You can access the System using the following link: www.msaaassessment.org.

Terms and Acronyms

Table 1 provides a summary of terms with the associated acronyms used frequently in this and other documents needed for test administration.

Table 1. MSAA Terms and Acronyms

Term	Acronym
Assistive Technology	AT
Constructed-Response	CR
Directions for Test Administration	DTA
English Language Arts	ELA
Early Stopping Rule	ESR
Individualized Education Program	IEP
Learner Characteristics Inventory	LCI
Multi-State Alternate Assessment	MSAA
Student Response Check	SRC
Test Administration Manual	TAM
Test Administrator	TA
Test Coordinator	TC

How to Access the MSAA Online Assessment System

This section prepares you to access the System for the first time.

Receiving Your Welcome Email

When a new user account is created in the System, the user will receive an automated welcome email from MSAAServiceCenter@cognia.org (as seen below) that contains a temporary URL.

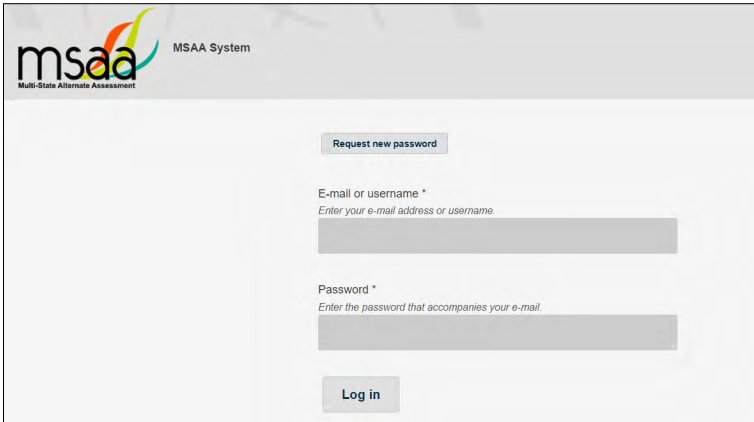
From: MSAAServiceCenter@cognia.org
Subject: Important Information from the MSAA System

Click the link in the welcome email to gain access to the System. You will be asked to create a new password for your account. Please note that the password link in the welcome email can **only be used once**.

Note: If you think an account was created but you did not receive an email and cannot log in after requesting a new password, please contact the district TC or MSAA State Coordinator.

How to Log In

Once your user account is created and you have set your password, you can access the System using the URL www.msaaassessment.org. The Log In page will appear as seen below. Enter your email address and password, and click **Log In** to access the secure System.



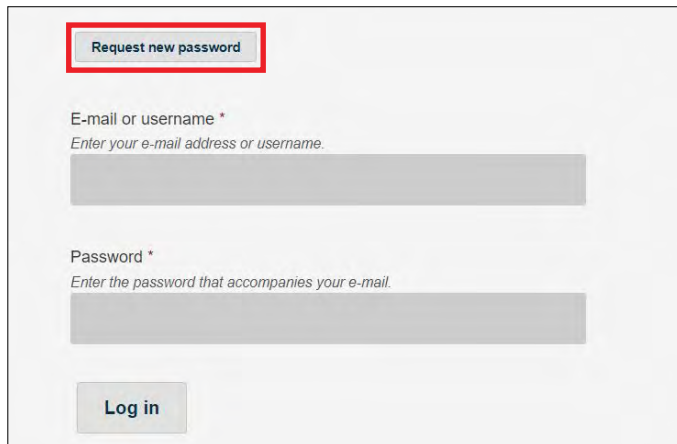
The screenshot shows the MSAA System login interface. At the top left is the MSAA logo and the text "MSAA System" and "Multi-State Alternate Assessment". Below the logo is a "Request new password" button. Underneath is a form with two input fields. The first is labeled "E-mail or username *" with a subtext "Enter your e-mail address or username". The second is labeled "Password *" with a subtext "Enter the password that accompanies your e-mail". At the bottom of the form is a "Log in" button.

MSAA has a Test Security Agreement that appears for all TC and TA users upon initial login to the System. TCs and TAs will have the option to Agree or Cancel. Upon choosing Agree, TCs and TAs will have full access to all pages of the System assigned to their user role. In addition, users' profiles will be updated to capture acceptance of the Test Security Agreement and no further action will be needed. If users cancel out of the Test Security Agreement, access will be restricted to the Dashboard and Sample Items pages of the System, and users will be presented with the Test Security Agreement prompt upon subsequent logins until they choose Agree.

Account Lockout

A user's account will become locked for one hour after five failed attempts to log in. The account can be unlocked in two ways:

1. Wait an hour, and the account will become unlocked (be sure to wait the full hour), OR
2. Unlock the account immediately by requesting a new password:
 - o select **Request New Password** from the Log In screen



The screenshot shows a login form with the following elements:

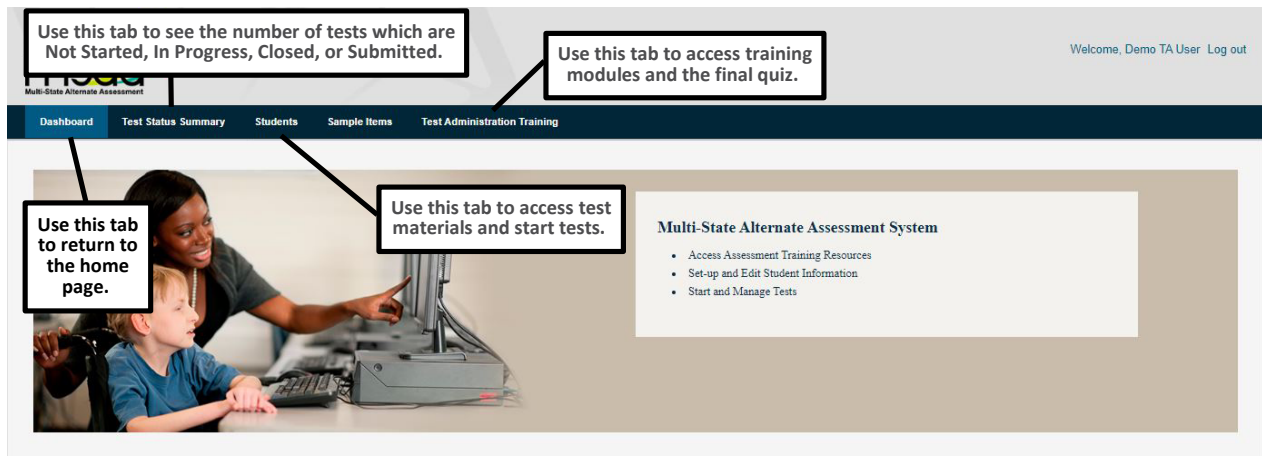
- A link labeled "Request new password" is highlighted with a red rectangular box.
- A text input field labeled "E-mail or username *" with the placeholder text "Enter your e-mail address or username."
- A text input field labeled "Password *" with the placeholder text "Enter the password that accompanies your e-mail."
- A "Log in" button at the bottom.

- o follow the onscreen instructions; you will receive a password reset link via email

How to Navigate the MSAA Online Assessment System

Dashboard

The dashboard is the homepage for the System. Once logged in, you can navigate within the System using the top navigation bar. You can return to the dashboard by clicking the "Dashboard" tab in the navigation bar.



The dashboard screenshot includes the following callout boxes:

- Top Left:** "Use this tab to see the number of tests which are Not Started, In Progress, Closed, or Submitted." (points to the Dashboard tab)
- Top Right:** "Use this tab to access training modules and the final quiz." (points to the Test Administration Training tab)
- Bottom Left:** "Use this tab to return to the home page." (points to the Dashboard tab)
- Bottom Center:** "Use this tab to access test materials and start tests." (points to the Students tab)

The dashboard content area features a navigation bar with tabs: Dashboard, Test Status Summary, Students, Sample Items, and Test Administration Training. Below the navigation bar is a banner image of a teacher and student at a computer. To the right of the banner is a box titled "Multi-State Alternate Assessment System" with a list of links:

- Access Assessment Training Resources
- Set-up and Edit Student Information
- Start and Manage Tests

Test Status Summary

This page provides a summary of student tests, allowing you to track and monitor testing progress during administration. You may only access tests that are assigned to students who pertain to your role's permissions. For example, if you have access at the school level, you will see test summary information for all students in the school. If you only have access to a single classroom, you will only see test summary information for the students in that classroom. The Test Status Summary screen is shown below.

Test Status Summary by Test

State: Sample (14)
 District: MSAA Demo (22087)
 School: MSAA Demo Elementary School (22088)

Status

- Not Started - Tests that have not been launched
- In Progress (Paused) - Tests that have been started but are paused and can be resumed
- In Progress (Locked) - Tests currently in use online
- Submitted - Tests that have been completed and submitted
- Closed - Tests closed by a TC

[Download](#)

Test Name	Students Registered	Started Today	Completed Today	Status
OP ELA Gr03	3	0	0	<div style="display: flex; align-items: center;"> <div style="width: 33.33%; height: 10px; background-color: blue; margin-right: 5px;"></div> <div style="width: 66.67%; height: 10px; background-color: orange; margin-right: 5px;"></div> </div>
OP ELA Gr04	3	0	0	<div style="display: flex; align-items: center;"> <div style="width: 33.33%; height: 10px; background-color: blue; margin-right: 5px;"></div> </div>
OP ELA Gr05	2	0	0	<div style="display: flex; align-items: center;"> <div style="width: 100%; height: 10px; background-color: blue; margin-right: 5px;"></div> </div>

Test Name: OP ELA Gr03

- Not Started: 1 Students (33.33%)
- In Progress (Paused): 2 Students (66.67%)

The Test Status Summary page includes both numerical and graphical representation of testing progress throughout administration. The following statuses are provided:

- Students Registered
- Started Today
- Completed Today
- Status – which will further provide the total breakdown of every test status: Not Started, In Progress (Paused), In Progress (Locked), Submitted, and Closed

Hover over any header for an explanation of the data being provided. Under each status, links will allow you to drill down to the “Test Status Details,” which will provide the respective student and organization information. The Test Status Details report is shown on the following page.

Test Status Details

Organization NVDistrict-QA (15)

Download

School	Classroom	First Name	Last Name	Student ID (state-issued)	Test Name	Test Status	Started Today	Completed Today
NVSchool1		TestStudent	Five	123460	OP Math Gr04	Not Started	No	No
NVSchool1		TestStudent	Five	123460	OP ELA Gr04	Submitted	No	No
NVSchool1		TestStudent	Four	123459	OP ELA Gr03	Closed	No	No
NVSchool1		First	Last 29926	20192019	OP Math Gr11	Not Started	No	No
NVSchool1		First	Last 29926	20192019	OP ELA Gr11	Not Started	No	No
NVSchool1		NVStudent1	NVStudent1	02	OP Math Gr03	Not Started	No	No
NVSchool1		NVStudent1	NVStudent1	02	OP ELA Gr03	In Progress (Locked)	No	No
NVSchool1		NVStudent2	NVStudent2	03	OP Math Gr03	In Progress (Paused)	No	No
NVSchool1		NVStudent2	NVStudent2	03	OP ELA Gr03	Not Started	No	No

Both the Test Status Summary and Test Status Details are available for download and will export into Excel. Please note that if you are downloading from the Test Status Summary page, the data will be numerically represented.

Test Status Summary Export

Click **Test Status Summary** in the dashboard.

Click **Download**.



Test Status Summary by Test

State
Sample (14) ▾

District
MSAA Demo (22087) ▾

School
MSAA Demo Elementary School (22088) ▾

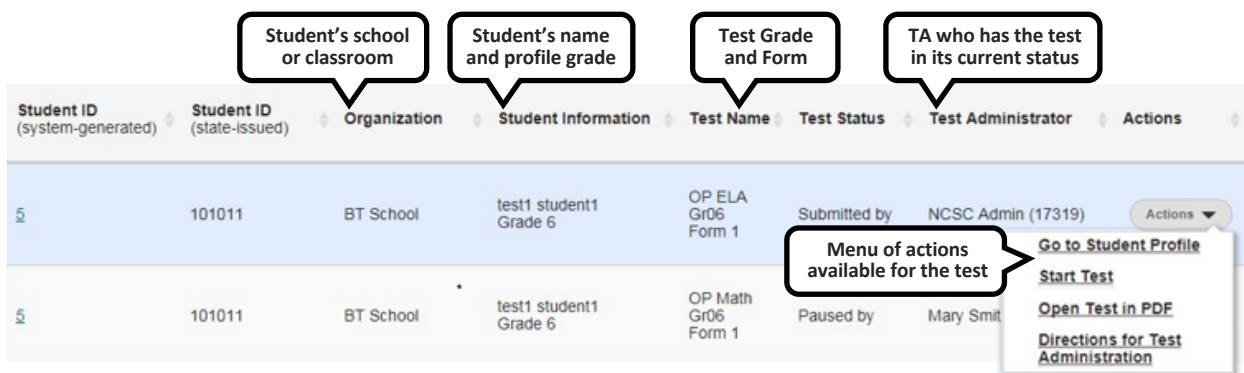
Download

An Excel spreadsheet will download with the same information that is displayed on the Test Status Summary page.

Users associated with multiple districts can use the “Organization” menu to select any of their districts.

Students

Use this page to access student profile information (demographics, LCI, accommodations, and SRC), access test materials (e.g., the DTA), and start/resume the student tests.

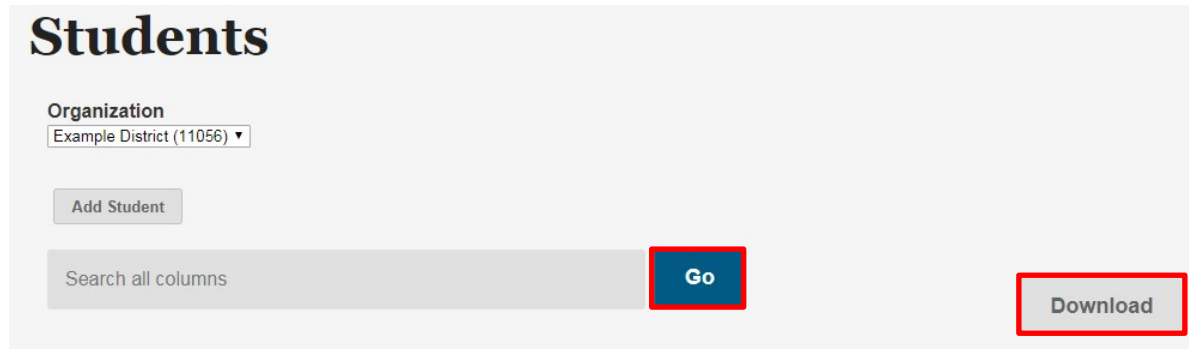


Student ID (system-generated)	Student ID (state-issued)	Organization	Student Information	Test Name	Test Status	Test Administrator	Actions
5	101011	BT School	test1 student1 Grade 6	OP ELA Gr06 Form 1	Submitted by	NCSC Admin (17319)	<ul style="list-style-type: none"> Go to Student Profile Start Test Open Test in PDF Directions for Test Administration
5	101011	BT School	test1 student1 Grade 6	OP Math Gr06 Form 1	Paused by	Mary Smit	

Filtered Students Report

Enter search criteria in the “search” box. Any of the columns other than “Actions” can be searched.

Click **Go**, then click **Download**.

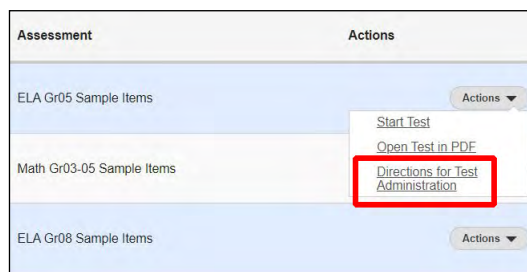


An Excel spreadsheet will download with only the results from the search.

Sample Items and Best Practice Videos

This page provides online access to sample items that allow a user to become familiar with navigating the System, checking compatibility of a student’s AT devices, and practice administering test items with students. Note that student responses to the sample items are not saved. All users have access to the same sets of Mathematics, ELA, and Science sample items located in the System at www.msaaassessment.org under Resources.

To access the DTAs for the sample items, click on the **Directions for Test Administration** link found under the respective sample items Actions menu as shown here.

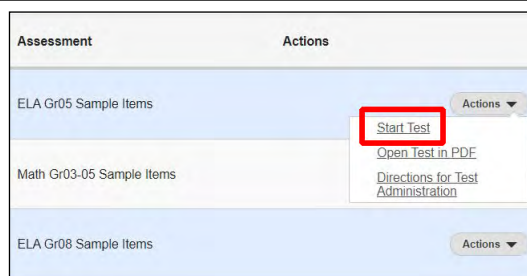


To view the sample items online:

- Click on **Actions**
- Select **Start Test**

To print the sample items:

- Click on **Actions**
- Select **Open Test in PDF**

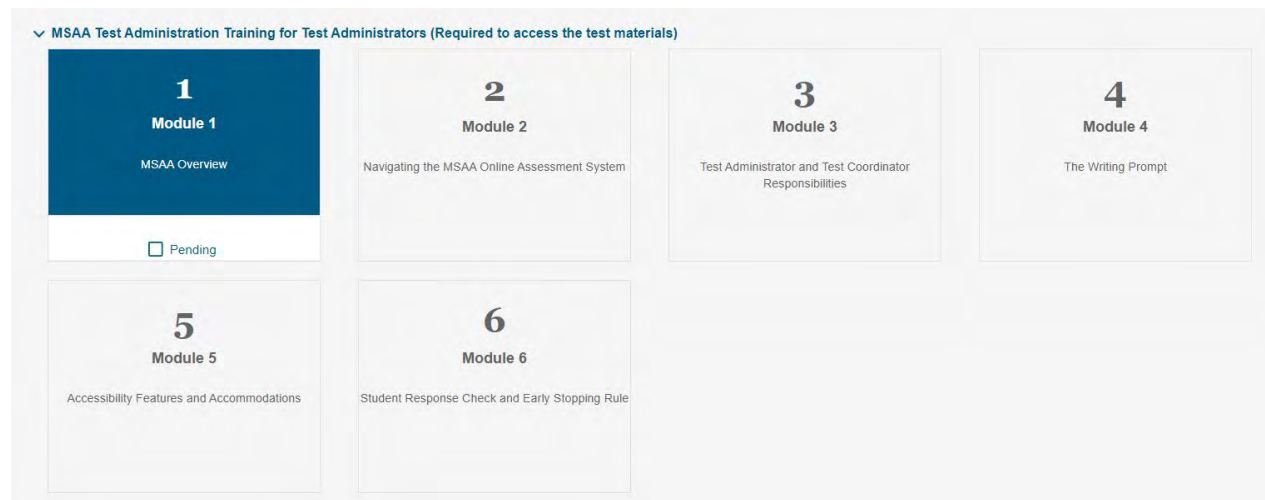


Before Testing

This section describes the steps to be completed before administering the test to students.

Step 1: Access and Complete Training Modules

Access the training modules* in the **Test Administration Training** tab. As you complete each module, the next module in the training will be unlocked. Once all modules are complete, you must take the end-of-training final quiz and attain a score of 80% correct or higher. You will then be able to access test materials. Modules can be reviewed as needed after training is complete.



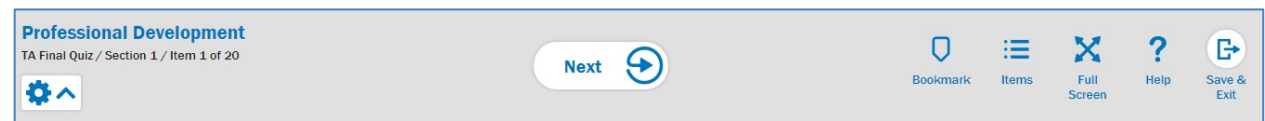
MSAA Test Administration Training for Test Administrators (Required to access the test materials)

1 Module 1 MSAA Overview <input type="checkbox"/> Pending	2 Module 2 Navigating the MSAA Online Assessment System	3 Module 3 Test Administrator and Test Coordinator Responsibilities	4 Module 4 The Writing Prompt
5 Module 5 Accessibility Features and Accommodations	6 Module 6 Student Response Check and Early Stopping Rule		

Step 2: Complete End-of-Training Final Quiz

When all modules have been marked as completed, the **Start Final Quiz** button becomes unlocked. Click on the **Start Final Quiz** button.

Read the questions and select the correct answer. Click the **Next** or **Previous** buttons to proceed through the final quiz. Pause as needed by clicking “Save & Exit.” You will be redirected to the training page.





Professional Development
TA Final Quiz / Section 1 / Item 1 of 20

Next

Bookmark Items Full Screen Help Save & Exit

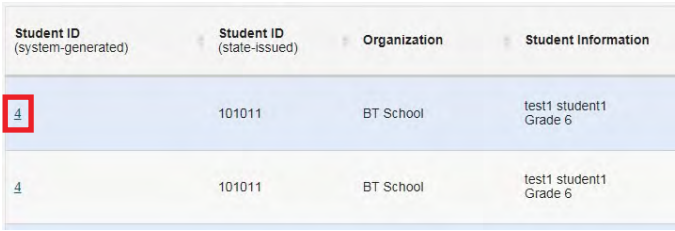
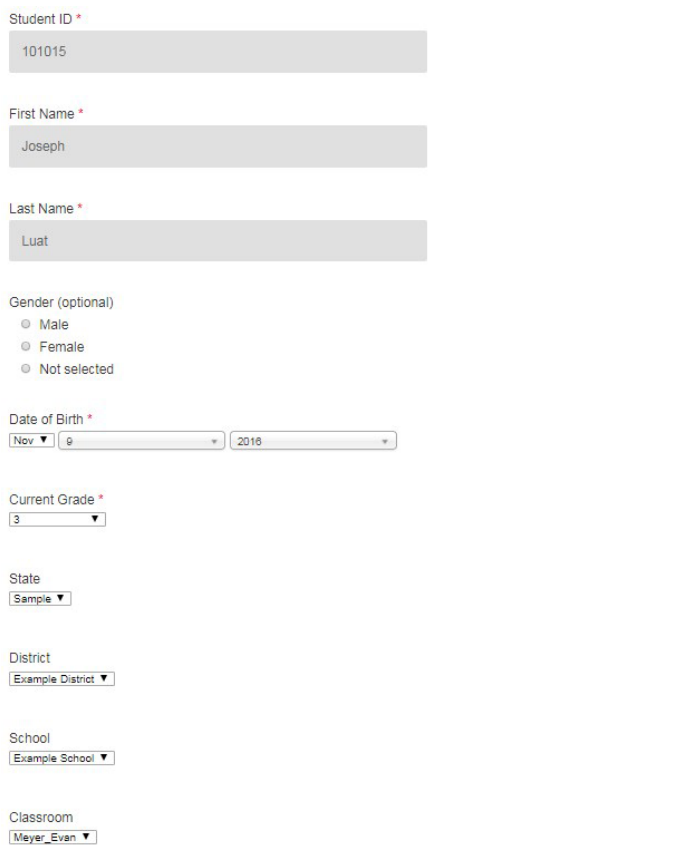
When you are ready to resume the final quiz, select the Resume Final Quiz button on the Training main page.	
--	--

* This information is specific to Mathematics and ELA. There is a Science module for qualifying states, but it doesn't have a training quiz.

<p>When you Submit the final quiz, the System will display your results immediately. Upon passing the quiz, your user profile will be updated with a Training Complete status and you will be able to access test materials and student tests.</p> <p>Click OK to return to the Dashboard.</p> <p>Note: The System does not generate a certificate.</p>	 <p>The screenshot shows a light gray header with the text "Test Administration Training Quiz Scores". Below this, it displays "86% Correct Responses." followed by a green message: "Congratulations! You passed the Test Administration quiz!". At the bottom of the screenshot is a blue button with the text "OK" in white, which is highlighted with a red border.</p>
<p>If you do not attain at least 80% on the end-of-training final quiz, the System will display your results. The score results will include a message similar to what is displayed here.</p> <p>Click OK to return to the main Training page to review the modules again and retake the final quiz.</p>	 <p>The screenshot shows a red background with white text. It displays "45% Correct Responses." followed by a message: "Sorry. You did not reach the 80% correct responses required to pass the quiz. Please try again later. You may access the training modules and retake the final quiz when ready."</p>

Step 3: Complete Student Profile

Before administering tests to students, you must verify that their information is correct in the demographics tab. TAs must contact the TC if any demographic information, including a student’s grade level, needs to be changed. TAs must also complete the **LCI, Accommodations: Before Test**, and **SRC** tabs in the **Student Profile** before access to test materials is granted.

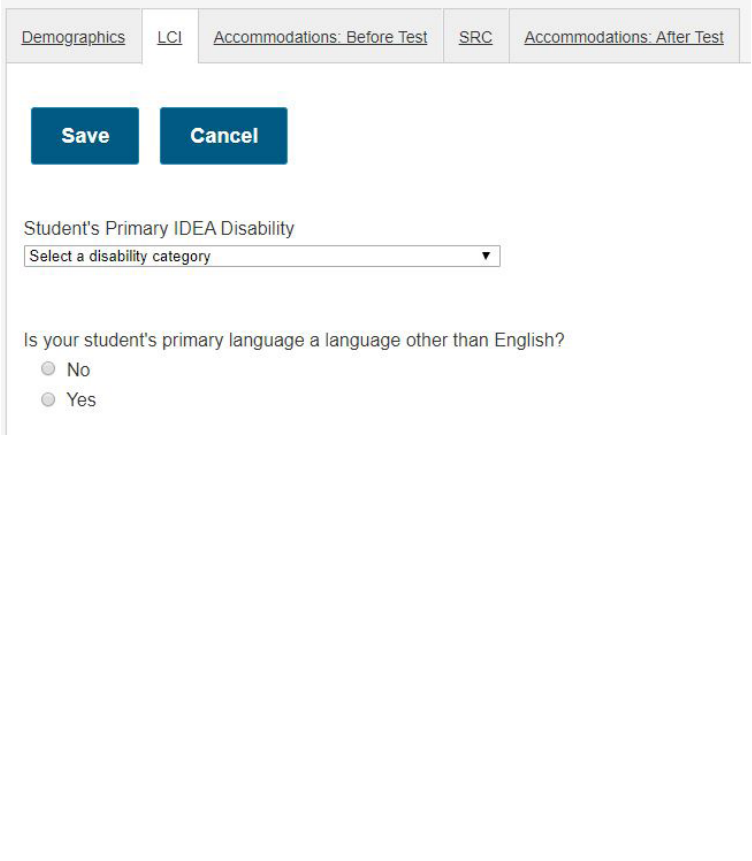
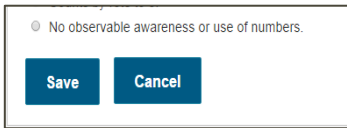
<p>From the Students page, find the student in the list and click on the Student ID number.</p>	 <table border="1"> <thead> <tr> <th>Student ID (system-generated)</th> <th>Student ID (state-issued)</th> <th>Organization</th> <th>Student Information</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>101011</td> <td>BT School</td> <td>test1 student1 Grade 6</td> </tr> <tr> <td>4</td> <td>101011</td> <td>BT School</td> <td>test1 student1 Grade 6</td> </tr> </tbody> </table>	Student ID (system-generated)	Student ID (state-issued)	Organization	Student Information	4	101011	BT School	test1 student1 Grade 6	4	101011	BT School	test1 student1 Grade 6
Student ID (system-generated)	Student ID (state-issued)	Organization	Student Information										
4	101011	BT School	test1 student1 Grade 6										
4	101011	BT School	test1 student1 Grade 6										
<p>The Demographics tab displays the demographic information for the student. TAs cannot change any demographic information in the Demographics tab. TAs should confirm the student’s grade level. If you have any questions, contact your TC.</p>	 <p>Student ID * 101015</p> <p>First Name * Joseph</p> <p>Last Name * Luat</p> <p>Gender (optional) <input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Not selected</p> <p>Date of Birth * Nov 9 2018</p> <p>Current Grade * 3</p> <p>State Sample</p> <p>District Example District</p> <p>School Example School</p> <p>Classroom Meyer_Evan</p>												

Step 4: How to Update Student Grade Assignment

If a student’s grade is incorrect in their student profile, contact your TC before administering the test to the student. Your TC will update the student’s grade and request a new test be assigned for the correct grade level.

Step 5: Complete the LCI (Learner Characteristics Inventory) Tab

Information from the LCI provides a description of the educational, communication, and linguistic characteristics of the student. To complete the LCI, follow the steps below.

<p>Click on the LCI tab and answer the questions by selecting the options that best describe the student.</p> <p>Please preview the LCI questions before answering them, so you may obtain information from school records if necessary, prior to completing the LCI.</p> <ul style="list-style-type: none"> ➤ All fields are required. You must enter a selection for each topic. ➤ Only one response per topic is allowed. ➤ Note: if you select “Low Vision” or “No functional use of Vision...” the audio player embedded in the System will adjust to include audio files that describe the visual elements of each test item and are available to use. 	
<p>After you have completed the tab, click the Save button at the bottom of the screen.</p> <p>The System will provide confirmation that the updates have been saved.</p>	

Step 6: Accommodations: Before Test

The **Accommodations: Before Test** tab MUST be completed before you start the student test.

Note: All accommodations documented in the student’s IEP should be selected.

If the student does not need any accommodations, please select the last option: “Check this box if the student does not need any accommodations.”

Demographics
LCI
Accommodations: Before Test
SRC
Accommodations: After Test

Save
Cancel

Accommodations: Before Test

Before administering the test to a student, select the accommodations on the list below that the student must receive.

- Assistive Technology
- Paper Version
- Scribe
- Sign Language
- Check this box if the student does not need any accommodations.

Save
Cancel

Step 7: Student Response Check (SRC)

The SRC is a task during which a student is asked to demonstrate their preferred mode(s) of communication. A student may use as many, or as few, communication modes as they are comfortable with and use on a daily basis in instruction. Student answers to the items on the SRC are not scored.

The purpose of the SRC is to determine if the student demonstrates an observable response mode. This ensures that the student will be able to participate in the assessment and respond to test items.

Not all students will need to have the SRC administered, as they already have a consistent mode of communication that is readily understood by the TA. These are not sample items.

Observable Response Mode:

In order to meaningfully participate in the Test, students must be able to demonstrate communicative competence through an observable response mode. An observable response mode is a predictable and consistent behavior or movement that is able to be understood by a communication partner as intentional communication. Modalities may include eye-gaze, reliable gestures, sign language, partner-assisted scanning, scanning on a device, direct selection from an array of choices, activation of a voice-output device, use of a speech-generating device, or use of another reliable means. The student’s observable response mode demonstrates a response to or shared information about the stimulus (test item) and intent toward the task. Assigning meaning to habitual or uncontrollable motor movement or vocalization without communicative intent are not considered response modes.

There are students whose communication mode(s) are inconsistent and not always understood by others. In these cases the SRC aids in gathering information that is needed to determine if

there are communication barriers to meaningful participation in the MSAA assessment. If a student's responses to test items are not clearly observable, or understood by the TA or scribe, the testing experience may need to be ended early. This process is called the Early Stopping Rule. In order to close the test for a student, the ESR procedures must be followed.

Using the SRC and ESR Flowchart

It is recommended that the SRC be administered more than one time during the testing window before the ESR is applied. The TA may want to consider changing the time of day, day of week, or location of testing when administering the SRC multiple times.

The flowchart on the following page (Figure 1) should be used to determine when to administer the SRC and when TAs should contact their district or school TC to close the test and apply the ESR. TAs must first discuss the results of the SRC with district or school TCs to ensure that the SRC was administered appropriately. TCs may then close the test and apply the ESR. Remember, in many cases it will not be necessary to administer the SRC because many students have a consistent mode of communicating.

TAs can administer the SRC using a paper version downloaded from the System or by using a computer and a mouse.

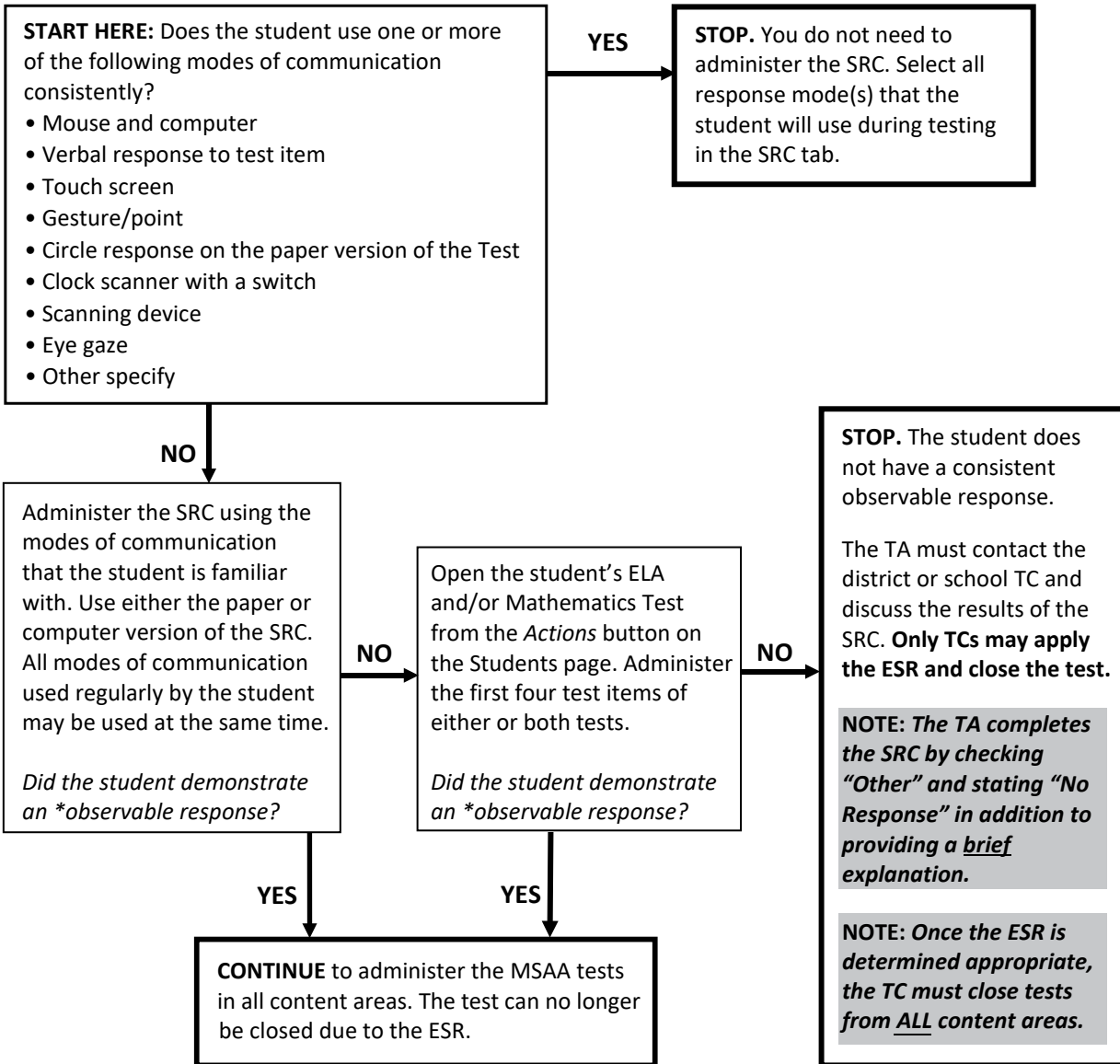
Reminders when administering the SRC:

- The student's responses do not need to be correct; a response just needs to be observable.
- The student may use as many, or as few, communication modes as necessary. The response mode(s) should be used on a daily basis by the student. Not all response modes may be listed. If the student's preferred response mode is not listed, please enter that mode in the Other box in the SRC tab.
- You may conduct the SRC on more than one occasion to ensure valid application of the ESR.

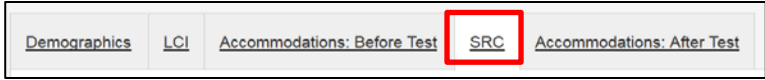

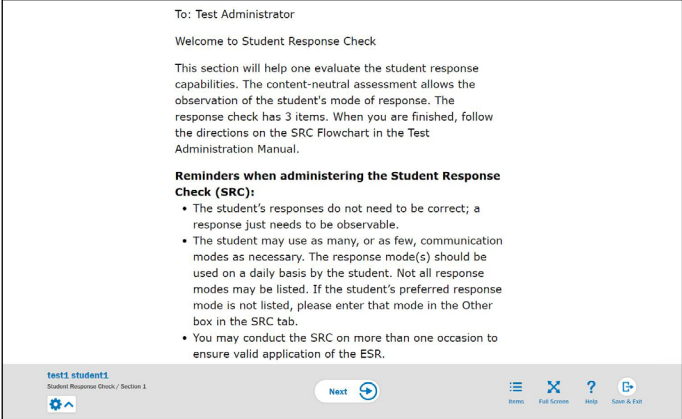
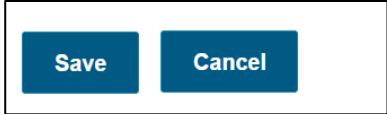
Reminders for applying the ESR:

- The lack of an observable response mode is the only reason the ESR can be applied.
- The ESR cannot be applied based on a student's behavior, stamina, knowledge of the content, frustration level, or refusal to participate in the Test. Refer to pages 43–44 of the TAM for information regarding timing and schedule and creating a comfortable and secure testing environment to support a student if they refuse to participate in testing. If the student continues to refuse to participate, contact your TC and/or MSAA State Coordinator.
- The ESR cannot be applied if the student responds to one of the first four items, if any other items are administered, or if the student provides a response in the other content area.
- The ESR cannot be applied if the test status for any content area is "not started."

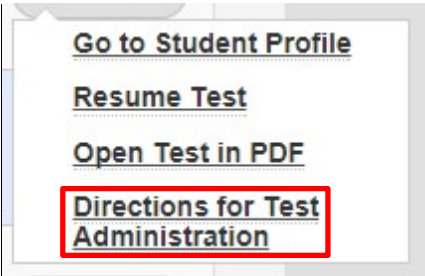
Figure 1: The Student Response Check (SRC) Flowchart: When to Apply the ESR



* An observable response is defined as a predictable and consistent behavior or movement that is able to be understood by a communication partner as intentional communication (page 14).

<p>In the Student Profile, click on the SRC tab.</p>	
<p>Conduct the SRC by:</p> <ul style="list-style-type: none"> • Using Computer Student Response Check OR • Using a paper version by clicking Paper & Pencil Student Response Check 	
<p>Online Administration An introduction to the SRC with general directions about how to proceed will appear. Please refer to page 43 of the TAM for instructions on administering the SRC.</p>	
<p>To record all of the response modes the student will use during testing, click next to the response mode and then “yes” or “no” to verify. Click Save at the bottom of the page. A confirmation that the information has been saved will be displayed.</p>	 <p>Please note: If the student does not have a consistent observable response, the TA must contact the district or school TC and discuss the results of the SRC. Only TCs may apply the ESR and close the test.</p>

Step 8: Access Directions for Test Administration (DTA) REQUIRED

<p>TA Directions – this option refers to the DTA.</p>	
<p>From the Actions button, select Directions for Test Administration.</p> <p>Note: You will need to have Adobe Reader installed on your computer or laptop in order to open the file.</p>	

<p>Confirm the student's name and grade. If the grade is incorrect, do not launch the test; instead contact your TC.</p>	<p>Confirm Student</p> <p>Please confirm the Student Name and Test Name, and select the session(s) you would like to download the DTA for. Then, click "Download DTA"</p> <p>Student name Student 3 Test3 (6)</p> <p>Test name OP Math Gr03</p> <p>Select test session <input type="checkbox"/> Session_1 <input type="checkbox"/> Session_2A <input type="checkbox"/> Session_2B <input type="checkbox"/> Session_2C</p> <p>Go Back Download DTA</p>
<p>Based on performance in Session 1, students will be assigned to one of three versions (A, B, or C) of Session 2. The second session will consist of items at complexity levels that are more closely aligned to the student's current abilities.</p> <p>Note: Once Session 1 has been submitted in the MSAA System, the student will be routed to the appropriate Session 2 Form. The Session 2 Form assignment will be displayed on screen in the MSAA System.</p> <p>All adaptive versions of Session 2 are displayed. Select the test session you would like to download. Do not download all four DTA forms.</p>	<p>Confirm Student</p> <p>Please confirm the Student Name and Test Name, and select the session(s) you would like to download the DTA for. Then, click "Download DTA"</p> <p>Student name Student 3 Test3 (6)</p> <p>Test name OP Math Gr03</p> <p>Select test session <input type="checkbox"/> Session_1 <input type="checkbox"/> Session_2A <input type="checkbox"/> Session_2B <input type="checkbox"/> Session_2C</p> <p>Go Back Download DTA</p>
<p>Click Download DTA and the PDF files you selected will download.</p>	<p>Confirm Student</p> <p>Please confirm the Student Name and Test Name, and select the session(s) you would like to download the DTA for. Then, click "Download DTA"</p> <p>Student name Student 3 Test3 (6)</p> <p>Test name OP Math Gr03</p> <p>Select test session <input type="checkbox"/> Session_1 <input checked="" type="checkbox"/> Session_2A <input type="checkbox"/> Session_2B <input type="checkbox"/> Session_2C</p> <p>Go Back Download DTA</p>

Administer and Navigate the Test

This section describes how to locate, start, or resume a test, and perform other test actions available in the System. All actions will be launched from the same area within the System. The actions available include the following:

- **Start Test (or Resume Test)** launches the online test for the selected student and test session.
- **Open Test in PDF** provides a file for printing a paper copy of the test for the selected student.
- **TA Directions** opens the DTA in PDF format that can be printed.
- **Go to Student Profile** provides access to student information.

Locked Test

Because MSAA is a one-on-one assessment, the System only allows a user to have one test open at a time, locking tests once launched and in the “In Progress” status. If you have a test in progress on your account, you will not be able to launch another test until the open test has been paused. If a student’s test is in progress with another TA, then you will not be able to launch that student’s test until it is paused by the TA who has it active (in progress). To determine the status of a student’s test, go to Students page and look under the “Test Status” column. All statuses, with the exception of “Not Started” will have the respective user’s name listed in the subsequent “Test Administrator” column. If a student’s test is showing as “In Progress” with you, but you are not currently testing the student, then the test is stuck in the locked status and you will need to contact the MSAA Service Center for assistance with getting it unlocked. This happens when the Save & Exit button was not used to exit the test (e.g., power outage, computer rebooted, closing your browser, etc.) and will require the MSAA Service Center to unlock it for you.

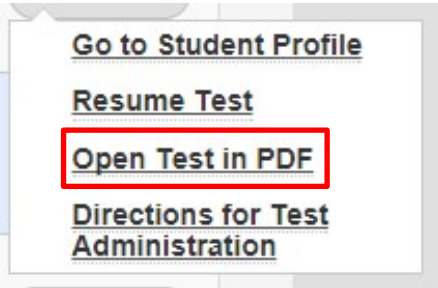
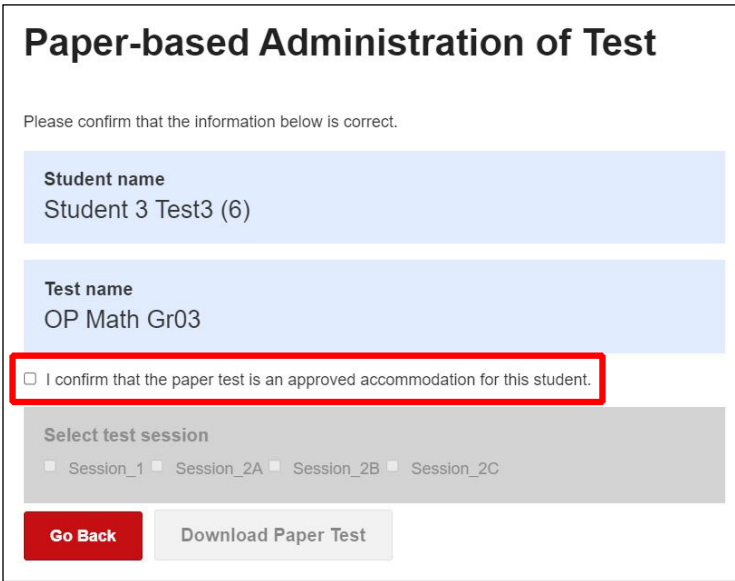
Table 2 will further assist you in identifying your next course of action.

Table 2. Locked Test Instructions

Scenario	Response
TA has one student’s test open but wants to launch another test for another student.	TA should pause first student’s test by clicking on “Save & Exit” in the test navigation, then launch the other student’s test via the Students page.
TA goes to launch a student’s test but sees the test is “In Progress with” another TA when on the Students page and the Start Test option is not present in Actions dropdown.	Contact the TA that test is showing as “In Progress with” and have them pause the test. If the TA is not currently testing the student contact the MSAA Service Center.*
TA goes to launch a student’s test but sees the test is “In Progress with” them when on the Students page and the Start Test or Resume Test options are not present in the Actions dropdown.	TA should contact the MSAA Service Center for assistance with unlocking the test.*

*When contacting the MSAA Service Center for unlocking a test, please have the SSID/Org ID and the reason the test was locked (for tracking purposes) available. The unlocking process is immediate and can be done while the student is with you.

Print Test

<p>Note: The System does not allow you to access the test materials unless you have completed the Test Administration Training and passed the end-of-training final quiz.</p>	
<p>Students using a paper version must have this accommodation in their IEP, consistent with state policy.</p> <p>Select Open Test in PDF from the Actions button. Verify the student name and test grade.</p>	
<p>Click the check box to confirm that the paper test is an approved accommodation for this student.</p>	

Select the test session you would like to download. Please note that all adaptive versions of Session 2 are displayed. **Do not download all three Session 2 Forms.** Once Session 1 has been submitted in the System, the student will be routed to the appropriate Session 2 Form and that will be displayed on-screen providing clarification on which Session 2 Form is assigned.

Based on performance in Session 1, students will be assigned to one of three versions (A, B, or C) of Session 2. The second session will consist of items at complexity levels that are more closely aligned to the student’s current abilities.

Click **Download Paper Test** and the PDF file you selected will download.

Paper-based Administration of Test

Please confirm that the information below is correct.

Student name
Student 3 Test3 (6)

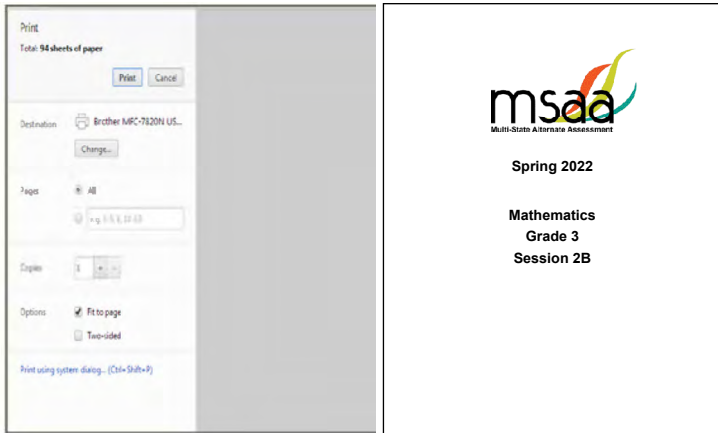
Test name
OP Math Gr03

I confirm that the paper test is an approved accommodation for this student.

Select test session
 Session_1 Session_2A Session_2B Session_2C

[Go Back](#) [Download Paper Test](#)

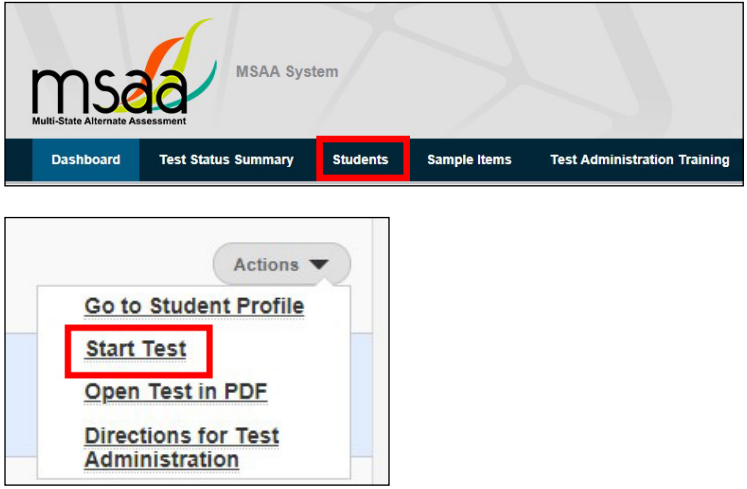
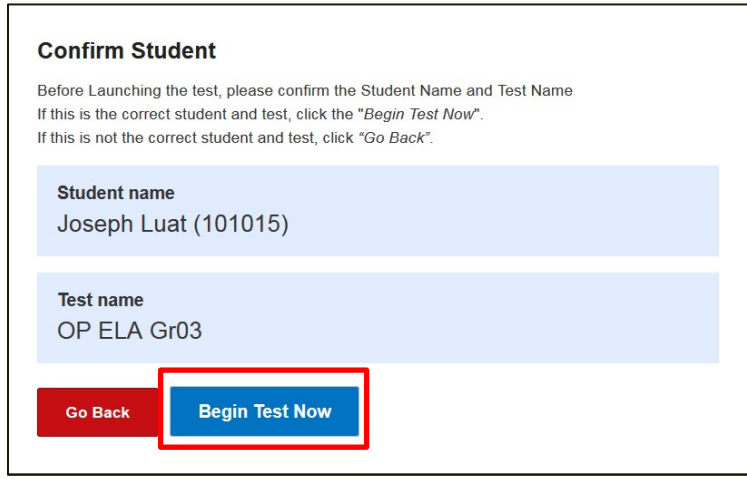
The PDF document will open and can be printed.



The screenshot shows a printer dialog box on the left with the following settings: Total: 94 sheets of paper, Destination: Brother MFC-7820N US..., Pages: All, Copies: 1, Options: Fit to page (checked), Two-sided (unchecked). To the right is a preview of the test form page, which includes the msaa logo, 'Spring 2022', and 'Mathematics Grade 3 Session 2B'.

Navigating the Online Test

Students do not have direct access to the System, and are not provided with usernames or passwords. TAs will log in to the System and start each student's test.

<p>To start the test:</p> <ul style="list-style-type: none"> • Click on Students from the navigation panel. • Locate the student in the list and click on Actions/Start Test. 	
<ul style="list-style-type: none"> • Confirm the student name and test grade are correct. • If the student and test grade are correct, select the Begin Test Now button. • If the wrong student test was selected, click the Go Back button to return to the Students page. Repeat the process to find the correct student. • If the student's test grade is incorrect, contact your TC. 	

How to Use the Toolbar Buttons



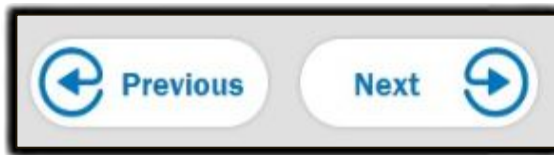
The toolbar located at the very bottom of the item displays these buttons (left to right):

- Student Name
- Name of Test/Session/Current Item # out of total # of items
- **Previous** – moves back one screen
- **Next** – moves forward one screen
- **Read Again** – returns to first screen of item or passage
- **Upload Evidence** – upload images of student work, only available on constructed-response writing items
- **Bookmark** – marks an item to be reviewed at a later time
- **Items List** – an item summary page showing answered and unanswered items
- **Full Screen** – full-screen mode
- **Help** – brings up MSAA Service Center contact information
- **Save & Exit** – saves the test and exits out of the test (test may be resumed later)

Previous and Next –

Moves you sequentially through the questions and the test.

The item count section below these buttons will change based on where the student is in the test.



Read Again: Audio Player Tool –

Provides a student using the Audio Player Tool the opportunity to hear the item read again.


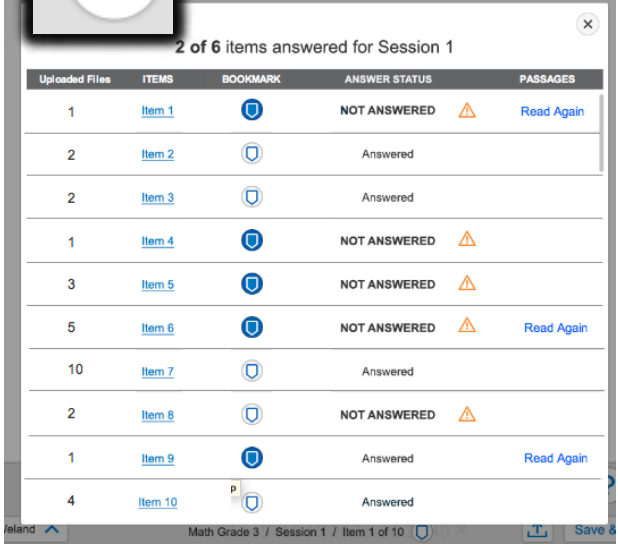


If the audio player is not enabled, this button will display the first screen of the item or passage.



Upload Evidence –

Uploads images of student work and only appears on the Toolbar for CR writing items.

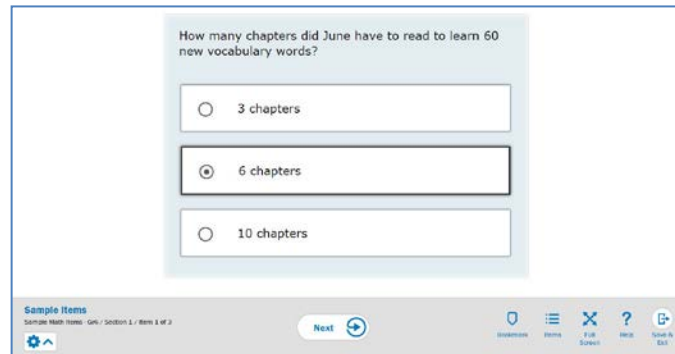


<p>Item List – Provides a summary of the questions and whether or not they have been answered and/or bookmarked for review.</p> <p>Click on the Item # in the Items column to go directly to the item or click on Read Again to go to the ELA passage associated with the item.</p>	  <table border="1"> <thead> <tr> <th>Uploaded Files</th> <th>ITEMS</th> <th>BOOKMARK</th> <th>ANSWER STATUS</th> <th>PASSAGES</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Item 1</td> <td></td> <td>NOT ANSWERED</td> <td>Read Again</td> </tr> <tr> <td>2</td> <td>Item 2</td> <td></td> <td>Answered</td> <td></td> </tr> <tr> <td>2</td> <td>Item 3</td> <td></td> <td>Answered</td> <td></td> </tr> <tr> <td>1</td> <td>Item 4</td> <td></td> <td>NOT ANSWERED</td> <td>Read Again</td> </tr> <tr> <td>3</td> <td>Item 5</td> <td></td> <td>NOT ANSWERED</td> <td>Read Again</td> </tr> <tr> <td>5</td> <td>Item 6</td> <td></td> <td>NOT ANSWERED</td> <td>Read Again</td> </tr> <tr> <td>10</td> <td>Item 7</td> <td></td> <td>Answered</td> <td></td> </tr> <tr> <td>2</td> <td>Item 8</td> <td></td> <td>NOT ANSWERED</td> <td>Read Again</td> </tr> <tr> <td>1</td> <td>Item 9</td> <td></td> <td>Answered</td> <td>Read Again</td> </tr> <tr> <td>4</td> <td>Item 10</td> <td></td> <td>Answered</td> <td></td> </tr> </tbody> </table>	Uploaded Files	ITEMS	BOOKMARK	ANSWER STATUS	PASSAGES	1	Item 1		NOT ANSWERED	Read Again	2	Item 2		Answered		2	Item 3		Answered		1	Item 4		NOT ANSWERED	Read Again	3	Item 5		NOT ANSWERED	Read Again	5	Item 6		NOT ANSWERED	Read Again	10	Item 7		Answered		2	Item 8		NOT ANSWERED	Read Again	1	Item 9		Answered	Read Again	4	Item 10		Answered	
Uploaded Files	ITEMS	BOOKMARK	ANSWER STATUS	PASSAGES																																																				
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1	Item 9		Answered	Read Again																																																				
4	Item 10		Answered																																																					
<p>Full Screen – Provides full-screen mode for viewing the item and is highly recommended.</p> <p>In full-screen mode, no Internet tabs or address bars are visible. Click the toggle button again to exit full-screen mode.</p>																																																								
<p>Help – Provides the Service Center phone number should you experience technical difficulties and/or need assistance.</p>																																																								

Answer a Question –

Each answer option will have a button on the left side. To answer a question:

- Click anywhere in the white area by the answer option, or click directly in the button next to the answer option.
- To change an answer, click in another answer tile or button.
- Select the **Next** button to move on to the next item in the test.
- Responses are automatically saved when the **Next** or **Previous** buttons are clicked.
- Items can be left blank. Click **Next** or **Previous** to proceed through the test.

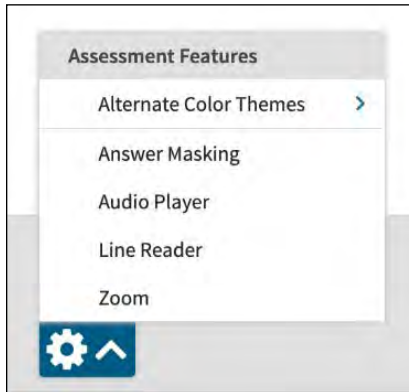


How to Use Accessibility Features

Practice using these features with the sample items to become familiar with them before you administer the Test to students. The section below lists the accessibility features that are available and shows the functionality for each option.

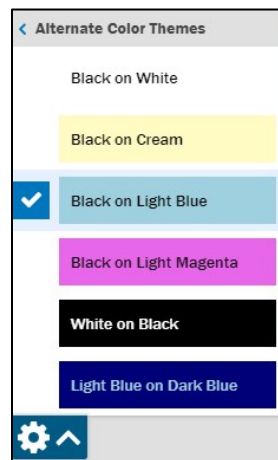
- Alternate Color Themes
- Answer Masking
- Audio Player
- Line Reader Tool
- Zoom

Below is a screenshot of the Assessment Features menu that can be found by clicking on the gear in the toolbar at the bottom of the screen when the test is open. In the menu, click a feature to enable it. Click again to turn off the feature.



When **Alternate Color Themes** is clicked, a new menu appears with the different color theme options.

Select an option by clicking on it. You will see a checkmark by the selected theme.

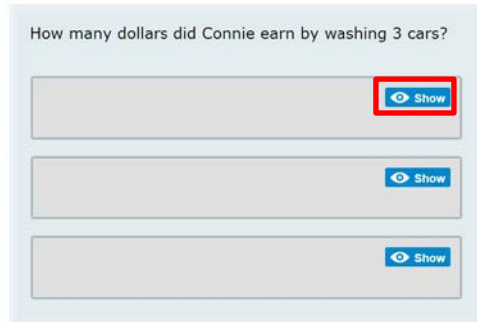


When you select a new theme, the background color and font color change the text provided in the online test.

When the new color theme is selected, all items in the test will appear with the same background and font color theme, as shown in the example below.



Answer Masking: When the Answer Masking feature is selected, all answer options for items will appear shaded, as shown in the example below. To unmask an answer option, click on the **Show** icon.

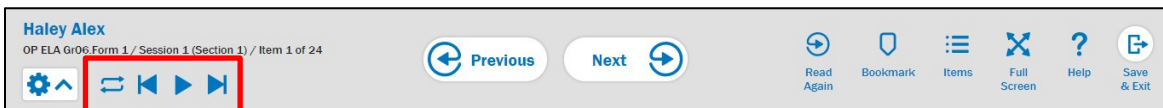


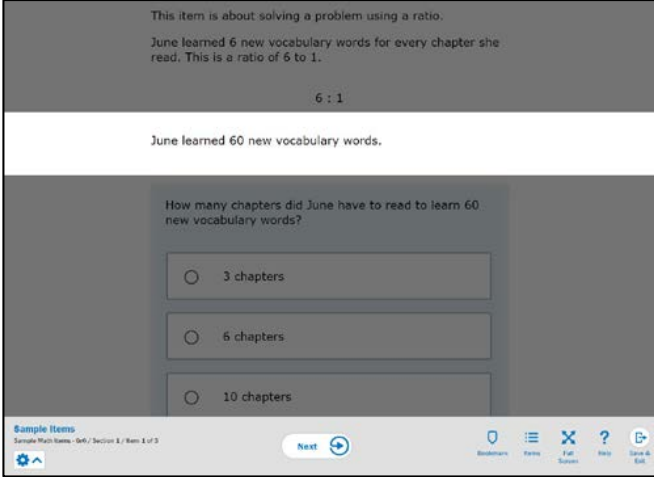
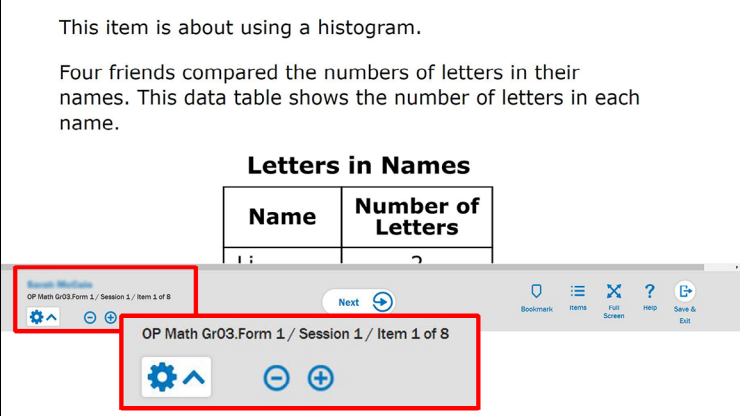
You will see the selected answer displays, while the other answer choices remain hidden. Click **Hide** to mask the answer again.

Audio Player

Text is read aloud digitally to the student. The Audio Player tool reads each line automatically but can be paused, resumed, and made to repeat segments.

When **Audio Player** is selected, an Audio Player tool opens in the toolbar. The player tool is available as long as **Audio Player** is selected. You can pause, play, and replay as needed using buttons on the player tool.

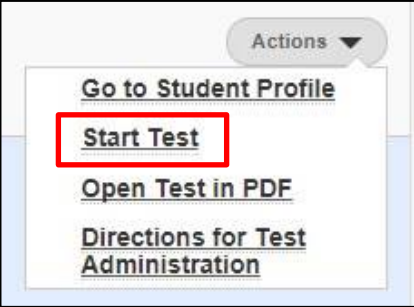
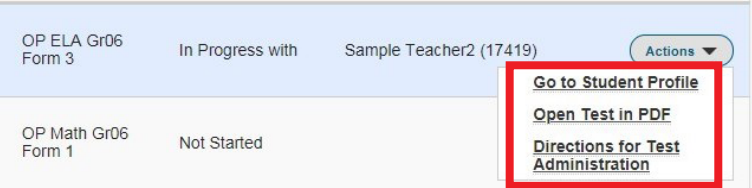
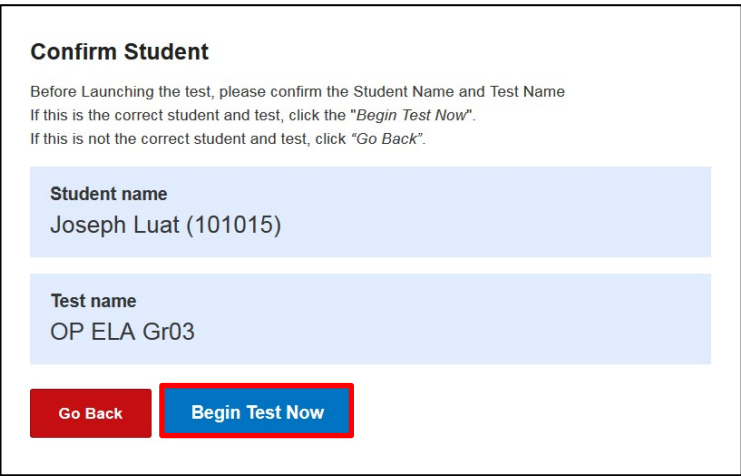
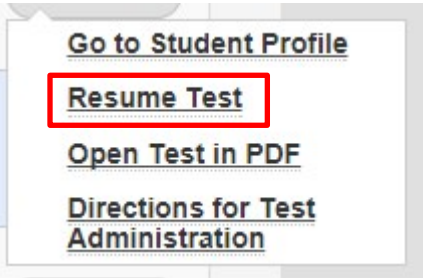


<p>When the Line Reader feature is selected, all items in the test will appear with the line reader on.</p> <p>The Line Reader feature allows focused attention to one or a few lines at a time.</p> <p>To move the line reader, use the mouse or the up and down arrow buttons on the keyboard.</p>	
<p>When Zoom is selected, plus and minus buttons will appear next to the gear/assessment features icon.</p> <p>Clicking the plus button will zoom in/enlarging the text and graphics, while clicking the minus button will zoom out/decreasing the text and graphics. The scroll on the right side of the page will update as needed allowing the full item to be accessed.</p>	

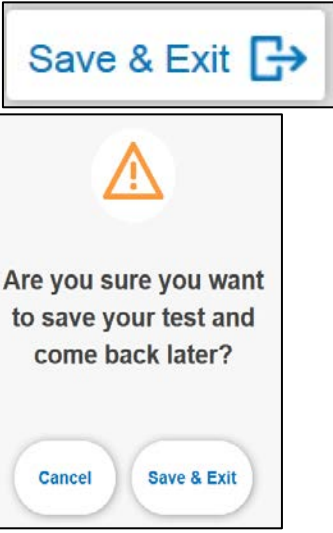

Starting, Pausing, Resuming, Closing, and Submitting Tests

How to Start a Test

<p>If all of the tasks in the “Before Testing” section of this guide have not been completed, the System may display the following messages when attempting to launch a test.</p> <p>Start Test Warnings/Messages:</p> <ol style="list-style-type: none"> 1. Training – A pop-up message appears, stating that the required training and final quiz must be completed and passed. Please contact your TC if you feel this message is an error. 2. Student Profile – If you did not complete the LCI, Accommodations: Before Test, and SRC tabs in the Student Profile, a warning notice will appear stating that those sections must be complete before beginning the test. Click Cancel and return to the student profile as described in the “Before Testing” section to complete the tabs. Once completed, the tests for that student can be launched.

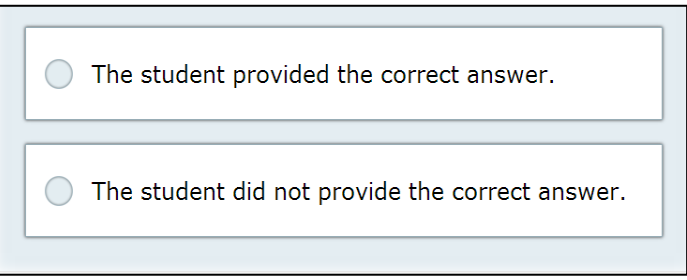
<p>From Students, locate the student test you wish to start and click the Actions button, then Start Test.</p> <p>The Start Test option will appear on the drop-down menu only if the test has not been started.</p> <p>If the test has been started and is currently Paused, this option will change to Resume Test.</p>	
<p>If the test is currently being administered, then neither Start Test nor Resume Test will appear in the Actions menu, and the test will show as In Progress.</p>	
<p>If all requirements have been met, a window with the student and test information displays.</p> <p>Confirm it is the correct student/test and click Begin Test Now.</p> <p>If the test is not currently being administered and Resume Test does not appear, refer to the instructions for unlocking tests on page 19.</p>	
<p>Resume Test</p> <p>Click on Actions. Select Resume Test.</p> <p>This option is available if the test was saved/exited but not submitted after being started. The test status will be Paused. The test may be resumed at any point during the test window.</p>	

How to Pause and Resume a Test

<p>To pause a test, click Save & Exit in the Navigation Toolbar. A prompt window will ask you to confirm you want to save and exit the test.</p>	
<p>When you click Resume Test, the test will resume at the item you exited from.</p> <p>Contact the service center if the Resume Test option is not available.</p>	

Constructed-Response (CR): Mathematics Items

When presented with CRs, you must indicate in the System whether the student did or did not provide the correct answer, based on the scoring rubric in the DTA.

<p>This is an example of the answer responses for a CR mathematics completion item. Click anywhere in the tile or in the radio button of the applicable response.</p>	
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How to Administer the Writing Prompt

The writing prompt requires students to produce a permanent product in response to a writing prompt. The writing prompt is presented in a standardized, scripted sequence of steps. **The student or TA must record the response to the prompt on the response templates that are in the System, even when evidence is captured on a webcam or uploaded. Only the final response template should be uploaded. It is not necessary to include idea cards, drafts, communication boards/devices, student selections from pictures, etc.**

Note: For the writing prompt, students may enter their writing product into the response template in the System. If the student has the scribe accommodation, then the scribe may type the student writing product into the System.

Writing: Capture and Upload Writing Evidence

There are three ways to capture student evidence for the writing prompt in the System:

- Type responses in without uploading evidence separately.
- Use the computer webcam to capture an image of the evidence.
- Scan the evidence using a scanner and upload the file as an attachment.

When to Capture and Upload Student Evidence

The **Upload Evidence** button will become available in the writing item toolbar for the upload of student evidence. Writing evidence for students using the paper accommodation will be uploaded for only CR writing items. Please note, for scoring purposes, only five simultaneous uploads are possible. Only the final writing prompt needs to be uploaded (please see TA Training Module 4 for additional details).

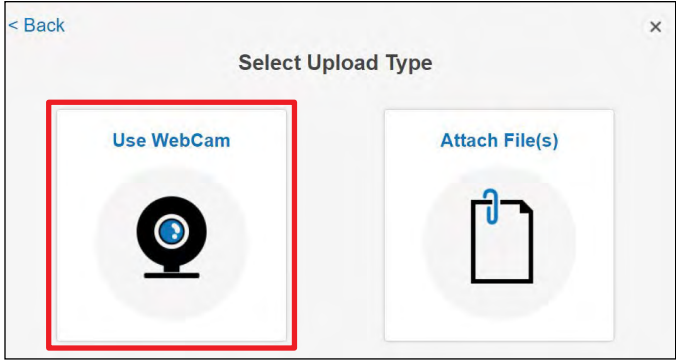
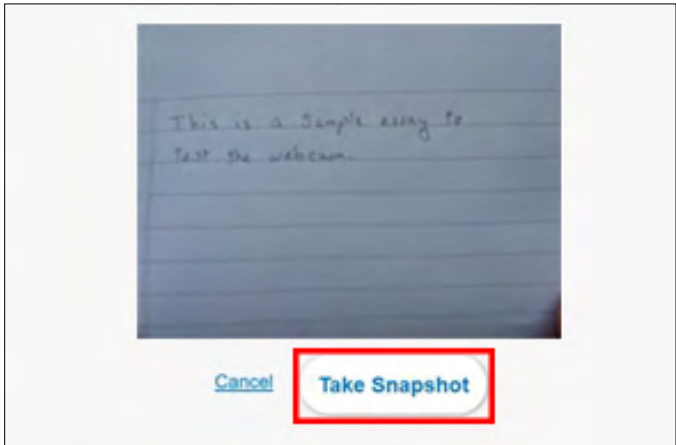
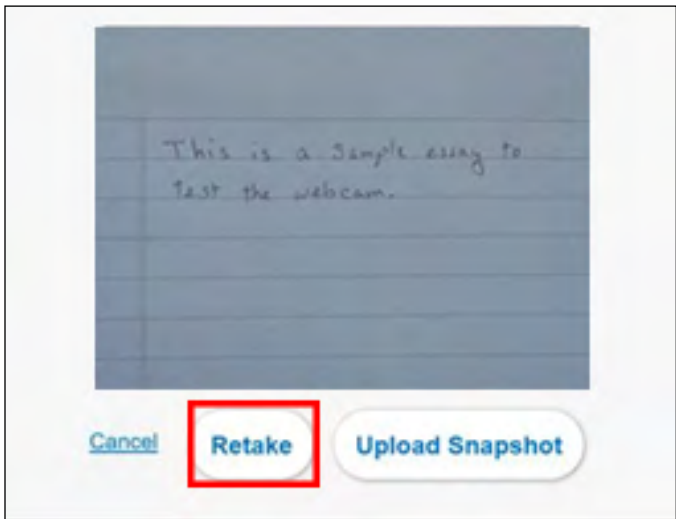
It is important to upload the evidence before the session is submitted. Once the session is submitted, you cannot go back to that item to upload evidence.


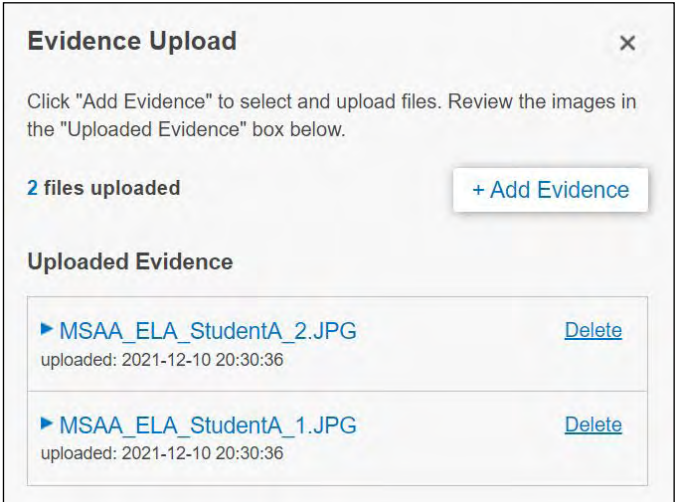
Capture Evidence Using Webcam

When you are administering the writing item, the **Upload Evidence** button will become available.

Click on this button to begin the evidence upload process.



<p>Select the Use WebCam button.</p>	
<p>The screen will provide a window that will display the student's work you place in front of your computer's webcam.</p> <p>Position the camera or document in a way in which the evidence can be clearly seen. When ready, click the Take Snapshot button.</p>	
<p>The screen will display the "photo" of the evidence.</p> <p>If you are not satisfied with the captured image, click the Retake button and repeat the process.</p> <p>Note: Do not include the student or the TA in the picture, drafts, or pictures of communication boards/devices.</p>	

<p>If the image is acceptable, click the Upload button.</p> <p>A confirmation message will appear if the file was uploaded successfully. Click OK.</p>	
<p>You will be returned to the Uploaded Evidence screen, and the multiple student files you uploaded will now be listed. Uploaded files can be reviewed by clicking on the arrow by the respective file name, then clicking View full image link. Uploads can also be deleted as needed by clicking on the Delete link.</p>	

How to Capture Evidence if You Don't Have a Webcam

1. If the computer you are using does not have a webcam to use for capturing evidence, you will need to upload evidence files from your computer.
2. When the student completes the writing product, pause the test (use **Save & Exit**) while the item is displayed on the screen.
3. Capture the evidence/student work using a scanner or camera. Please note the following:
 - Some large-scale printers have built-in scanning functionality.
 - A school-issued camera may be able to provide an image in the appropriate file type.
 - The only acceptable evidence file formats are **.JPG** and **.JPEG**.

Note: **.PDF** and **.PNG** formatted files will not be successfully uploaded.

4. Save the files to the computer where you will resume the student test.
 - Two possible ways to save the files to a specific computer are by emailing the files to yourself and logging in from that computer to download the emailed files, or by saving the files on a shared server space which you are able to access from any work station.

Note: The final writing product that you upload **should not** contain any identifying student information, including the student's face or name.

How to Capture Evidence from a Computer

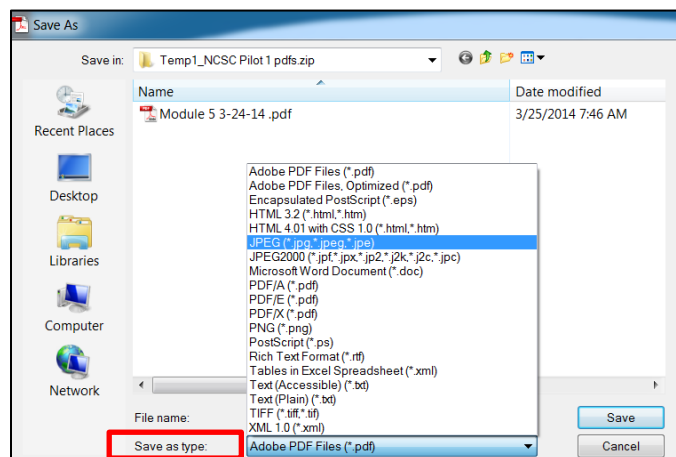
Save .PDF files as .JPG or .JPEG


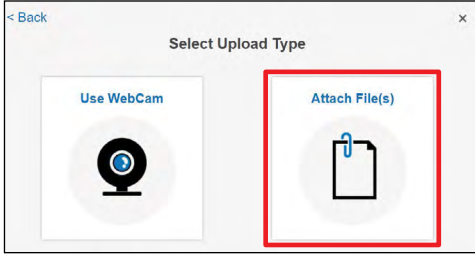
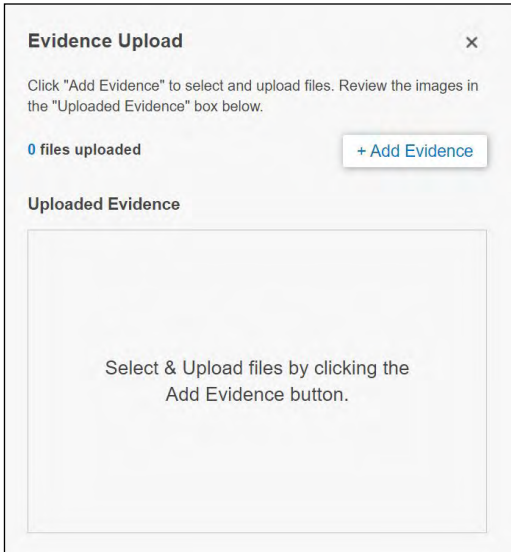
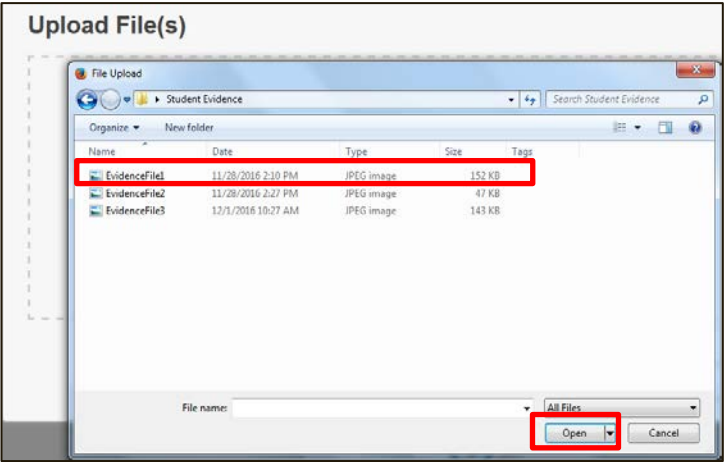
PDF files will be rejected by the System.

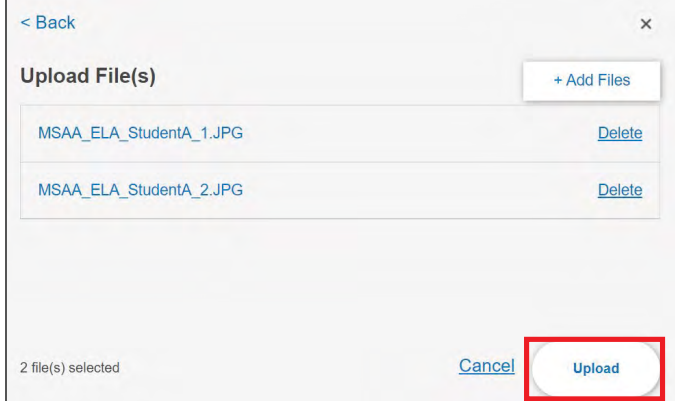
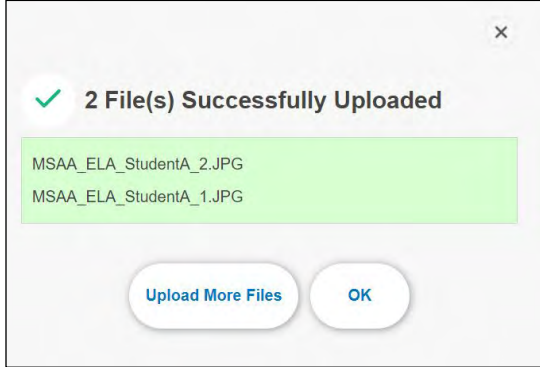
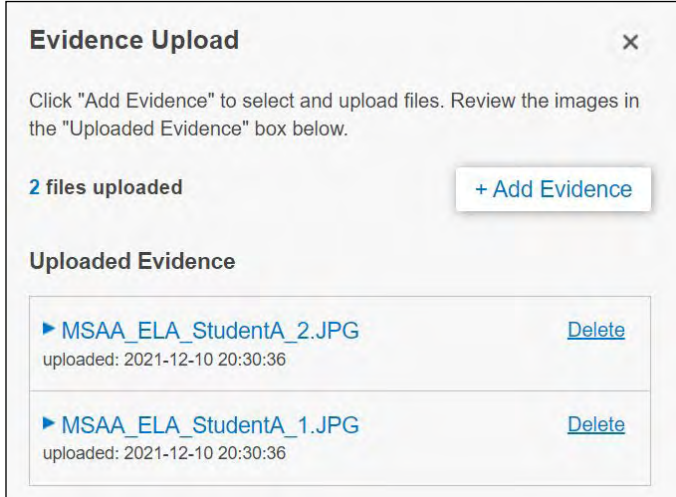
PDF files will need to be converted to .JPG or .JPEG before they can be uploaded.

If your scanner saves images as a .PDF file by default, you **must** open the .PDF, click **Save As**, and select one of these formats—.JPG or .JPEG—from the **Save As Type** field.

Once the document is saved in an accepted format, upload the evidence following the steps above.


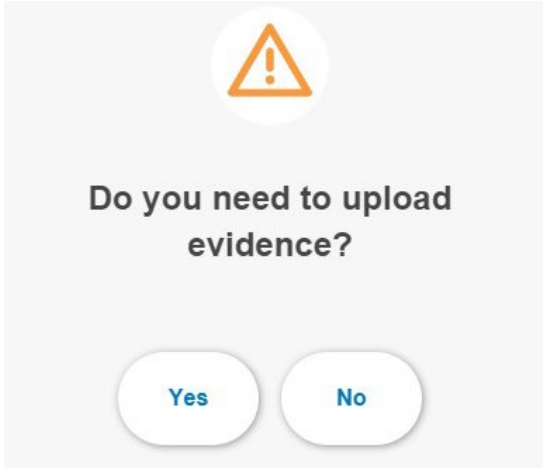
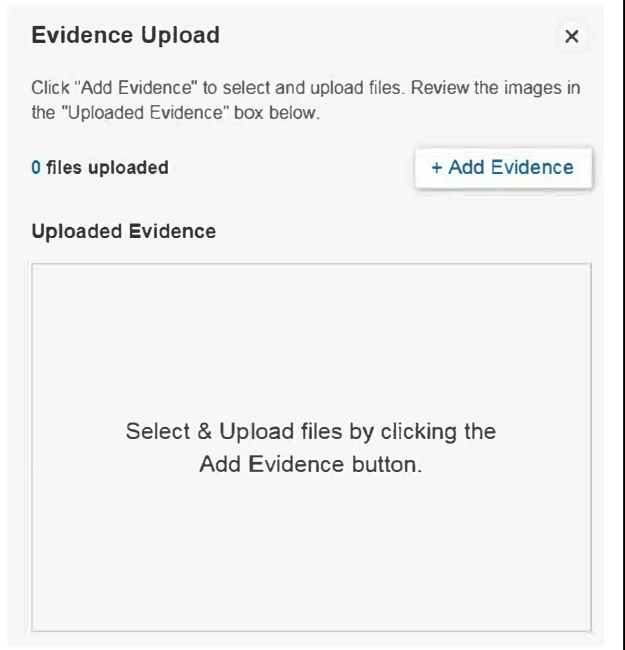


<p>When you are administering the writing items, the Upload Evidence button will become available.</p> <p>Click on this button to begin the evidence upload process.</p>	
<p>A pop-up window provides you with two options to capture evidence.</p> <p>Select the Attach File button for scanned documents.</p>	
<p>A file upload prompt will appear.</p> <p>Click Choose Files or drag and drop evidence files into the Upload File(s) prompt.</p>	
<p>Select the file(s) that contain the scanned image, and click Open.</p> 	

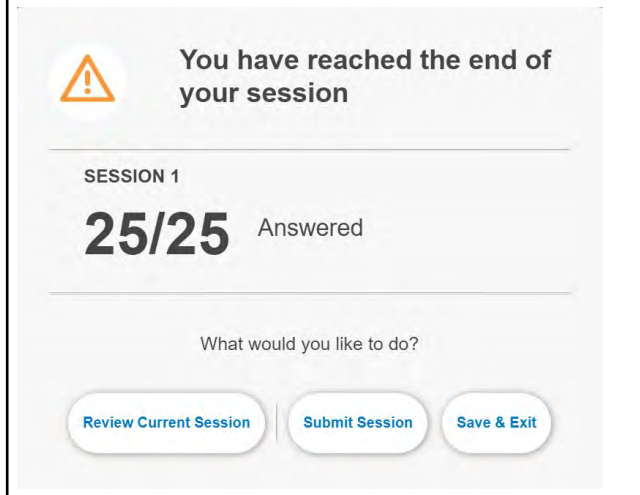
<p>The file names will display in the upload prompt and can be viewed by clicking the file name. Click the Upload button when you are ready.</p>	
<p>The System will provide you with a confirmation of successful upload. Click OK.</p>	
<p>You will return to the Uploaded Evidence screen, and the files you uploaded will now be listed. These files can be reviewed, replaced, or deleted.</p>	

Writing Prompt Evidence Reminder

The System has a new reminder on the writing item that displays only if the user has not uploaded evidence.

<p>The user can view the evidence uploaded in the navigation bar. If no evidence has been uploaded, a zero will display in the parentheses.</p>	
<p>If no evidence has been uploaded, when the user clicks “Next,” a prompt will display asking the user “Do you need to upload evidence?”</p>	
<p>If the user selects “Yes,” the user will be taken directly to the evidence upload modal.</p>	

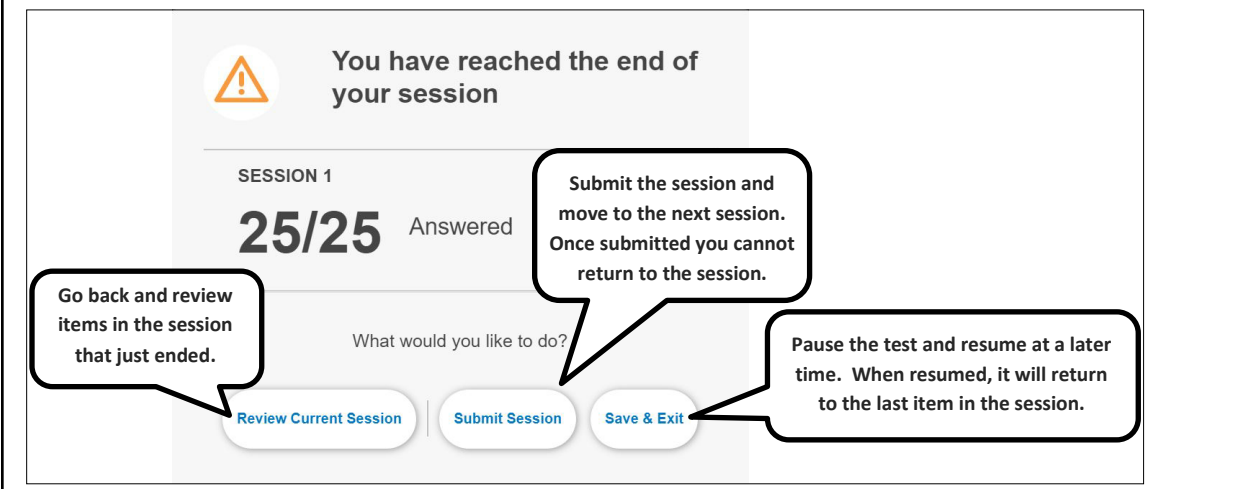
If the user selects “No,” the user will be taken to the end of session screen. The user can return to the item by clicking **Review Current Session**.



What to Do at the End of a Session

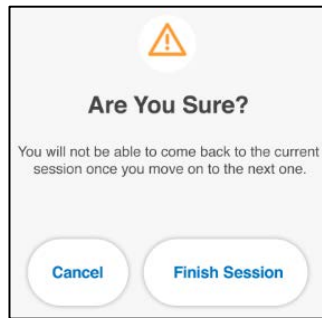
Each test has two sessions, regardless of content area. You will know when you are nearing the end of the session by reading the **Item Count** text to the left of the **Previous** and **Next** buttons.

For ELA and Mathematics, when you click **Next** while on the last question in session 1, a prompt will appear notifying you “**You have reached the end of your session.**” From here, you need to select one of the three options for what to do next: review the current session, submit the session, or save and exit. Before submitting the writing prompt, be sure that the student response has been entered into the System or the student evidence has been uploaded.



Should you choose to proceed with the test by clicking the **Submit Session** button, you will be asked to confirm that you wish to submit the session for scoring.

If you have made an error by selecting this option, click **Cancel** to return to the session that just ended.

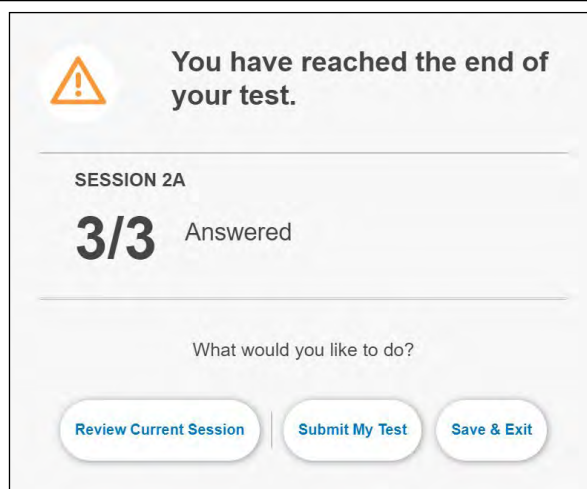


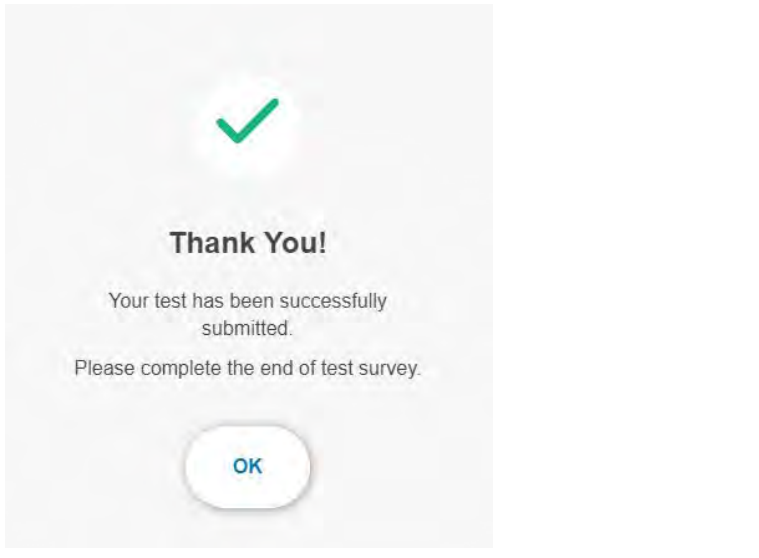
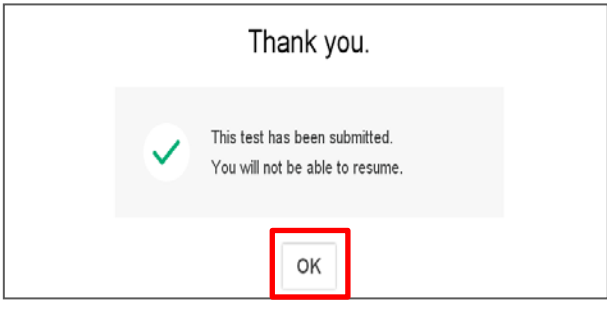
How to Submit a Test

When you have reached the end-of-session page for the last session in the test you have three options:

1. **Review Current Session** will allow you to go back and review items in the session.
2. **Submit Session** will complete the session and submit the entire test for scoring.
3. **Save & Exit** allows you to pause the test and come back later.

If you and the student are ready to complete and submit the test for scoring, click the **Submit My Test** button.



<p>You will receive a Thank You! message confirming the test has successfully been submitted and directing you to complete the end of test survey.</p> <p>Click the Submit button.</p> <p>Note: If you or a student accidentally close your browser before you submit the test, you will need to have the test unlocked. Once unlocked, you can navigate back to the submit page by resuming the test from Students.</p>	
<p>Click OK.</p> <p>The student's test has now been submitted, and you will be returned to the Students page.</p> <p>The test is now considered complete.</p>	

When to Submit a Test

When a test is complete, it is critical that TAs *submit* the test. Once a test is submitted:

- The test status will change from **In Progress** to **Submitted** on the **Students** page, indicating that student responses have been received.
- The **Go To Survey** link in the Actions Menu will be enabled.
- All tests must be submitted by April 29, 2022, at 8:00 pm Eastern Time or they will not be scored.

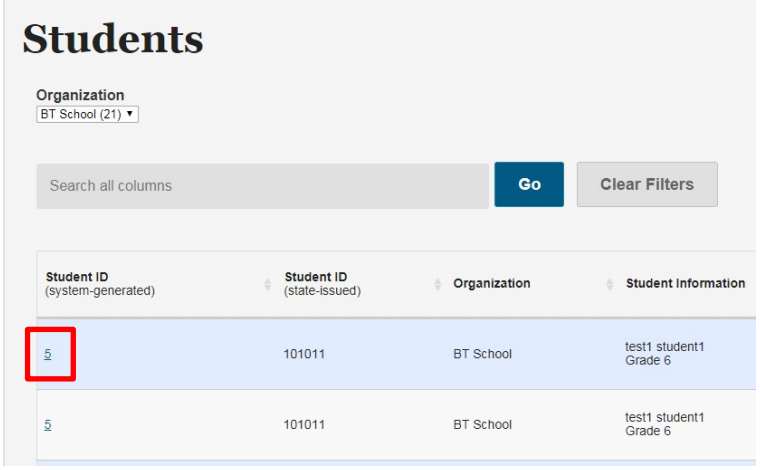
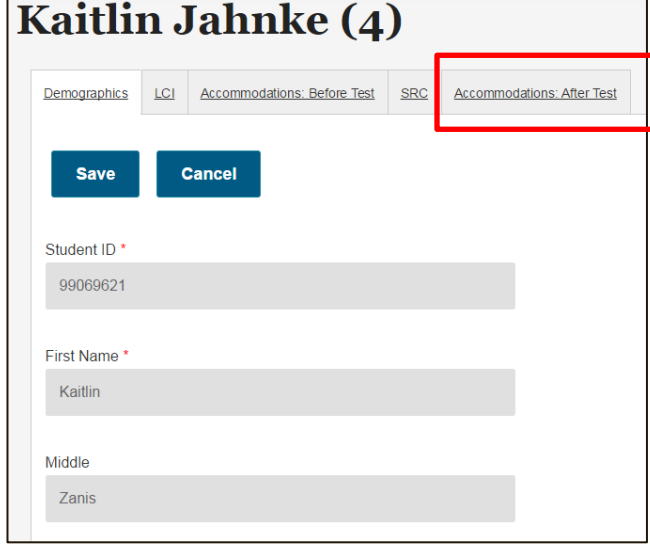
How and When to Close a Test

Review Appendix E in the TAM for specific instructions on when and how to administer the Student Response Check. Only TCs may close tests based on the results of the SRC.

After Testing

Accommodations: After Test

Once you have administered and submitted or closed the student’s test, return to the student profile to record the accommodations that the student used during the Test.

<p>In Students, find the student in the list and click on his or her Student ID number.</p>	
<p>Click on the Accommodations: After Test tab.</p>	

Select the accommodations that the student used during the Test. Select the last option if the student did not use any accommodations during testing.

Accommodations: After Test

Please select the accommodation/s that the student actually used during the Test. If the student did not use any accommodations, select the last box.

- Assistive Technology for presentation of items to student
- Assistive Technology for student response to questions
- Paper Version of Item/s
- Scribe
- Sign Interpretation (e.g., ASL, PSE, SEE)
- Check this box if the student did not use any accommodations.

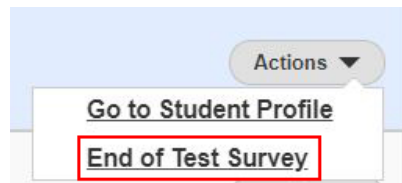
Click **Save**. The System will display a confirmation about the update on the top of the page.



End-of-Test Survey

After test administration is complete for all students, complete **one** End-of-Test Survey.

In Students, when the test status for all tests are submitted or closed, click on **Actions** and select **End of Test Survey**.



Disposing of Secure Test Materials

Materials ordered from Cognia will not be returned to Cognia. All printed or shipped secure materials (including test booklets) must be securely shredded on site in all states. Likewise, all secure electronic materials must be permanently deleted. Remember that you must enter all student paper responses into the online test.

Appendices

Appendix A: Accessibility Features and Assistive Technology Compatibility

Accessibility Features

The following lists of accessibility features may be helpful for students taking the computer, laptop, or tablet administration or for those students for whom a paper or hybrid administration is appropriate.

Accessibility Features: Computer, Laptop, or Tablet Administration	
Allowed Reading	The TA may read the directions, answer options, or passages as often as is reasonable to obtain a student's response to an item. All text must be read to students exactly as written, with no paraphrasing or word substitution.
Alternate Color Theme Tool	<p>The student or TA can change the onscreen background color and/or text color based on need or preference. There are several options:</p> <ul style="list-style-type: none"> • white background with black text • light blue background with black text • black background with white text • cream background with black text • light magenta background with black text • dark blue background with light blue text
Alternative Text	Alternative text includes descriptive statements for graphics (e.g., tables, charts, graphs, and timelines.) that may need to be described verbally for the student to understand an item. <i>Alternative text can be read by the embedded Audio Player or the TA. If the TA will read the alternative text, it is included in the DTA and should be read as indicated.</i>
Answer Masking Tool	The embedded Answer Masking tool allows students and TAs to electronically cover and reveal individual answer options as needed.
Audio Player Tool	The embedded Audio Player reads each line automatically and can be paused, resumed, and made to repeat segments as needed.
Increase Volume	To increase the volume on the computer, laptop, or tablet, use the built-in volume control options. Students may need headphones depending on testing location.
Line Reader Tool	The embedded Line Reader tool allows the entire item to be shaded, and an adjustable box allows attention to be focused on one line or a few lines at a time. The box can be adjusted by the student or the TA.
Manipulatives for Mathematics	<p>Directions for the use of manipulatives are described in the DTAs; to the extent possible, these should be the tools the student uses during instruction. Manipulatives are not provided by MSAA because not all students use the same tools. Possible manipulatives and tools required for testing include the following:</p> <ol style="list-style-type: none"> 1. Ruler, thermometer, clock, abacus, talking calculator, raised line graph/grid paper, tiles, and blocks. 2. Calculator. Each item includes information for the TA on whether a calculator is allowable. Most items do allow the use of a calculator, but it is important to note which ones do not.

Accessibility Features: Computer, Laptop, or Tablet Administration (Cont.)

Object Replacement

An object or part of an object may be used to represent a person, place, object, or activity. For example, a silk flower petal, leaf, and stem may represent parts of a flower, or interlocking centimeter blocks may represent graphed numbers. Object replacement may be used during the Test if it is already used by the student on a regular basis. Please review the MSAA vocabulary lists prior to testing to ensure that students have time to learn and become familiar with any new objects. TAs are responsible for creating any objects the student may require.

Tactile Graphics

Tactile graphics are raised versions of print graphics that are adapted for the sense of touch (*Guidelines and Standards for Tactile Graphics*, 2010, Braille Authority of North America). An example is the raised lines on a simplified image of the parts of a flower or on a mathematical graph.

Tactile graphics may be used during the Test if they are already used regularly by the student. Review the MSAA vocabulary lists prior to testing to ensure that students have time to learn and become familiar with any new tactile graphics. TAs are responsible for creating any tactile graphics the student may require.

Tactile Symbols

Tactile symbols are concrete representations of objects or concepts developed for individuals with a visual impairment/blindness or who have a practical need for a graphic language system. For example, a seed within a textured triangle can represent a plant or a textured slanted line with a series of dots can represent a graph.

Tactile symbols may be used during the Test if they are already used by the student on a regular basis. Review the MSAA vocabulary lists prior to testing to ensure that students have time to learn and become familiar with any new symbols. TAs are responsible for creating any tactile symbols the student may require.

Transcribe

Transcribing is the process of transferring a student’s response into the System. The transcription entered into the System must be an exact replica of what is produced by the student. For more information on transcription versus the Scribe accommodation, please contact your MSAA State Coordinator.

Zoom

The embedded Zoom tool increases and decreases the size of the whole item. Once selected, use the + button to increase the size of text and graphics. Use the – button to reduce the size of text and graphics in order to view more item information on one page.

Accessibility Features: Paper Administration	
Allowed Reading	The TA may read the directions, answer options, or passages as often as is reasonable to obtain a student’s response to an item. All text must be read to students exactly as written, with no paraphrasing or word substitution.
Alternate Color Themes	Acetate overlays in the color preferred by the student should be used. Another option is to print the Test on paper that is the color preferred by the student.
Alternative Text	Alternative text includes descriptive statements for graphics (e.g., tables, charts, graphs, and timelines.) that may need to be described verbally for the student to understand. <i>Alternative text is included in the DTA and should be read aloud by the TA as needed.</i>
Answer Masking	For students who require answer masking on the paper version of the Test, TAs should use paper or cards to cover and reveal individual answer options as needed.
Increase/Decrease Size of Text and Graphics	Paper versions of the Test can be projected by document projection devices or interactive white boards as needed by the student.
Increase Volume	TAs can adjust the volume of their voice as necessary.
Line Reader	The TA or student can use two pieces of paper to limit attention to one or a few illuminated lines at a time, while blocking out the rest of the test item.
Magnification	Any handheld magnification device normally used by the student is acceptable.
Manipulatives for Mathematics	<p>Directions for the use of manipulatives are described in the DTAs; to the extent possible, these should be the tools the student uses during instruction. Manipulatives are not provided by MSAA because not all students use the same tools. Possible manipulatives and tools required for testing include the following:</p> <ol style="list-style-type: none"> 1. Ruler, thermometer, clock, abacus, talking calculator, raised line graph/grid paper, tiles, and blocks. 2. Calculator. Each item includes information for the TA on whether a calculator is allowable. Most items do allow the use of a calculator, but it is important to note which ones do not.

Accessibility Features: Paper Administration (Cont.)

Object Replacement

An object or part of an object may be used to represent a person, place, object, or activity. For example, a silk flower petal, leaf, and stem may represent parts of a flower, or interlocking centimeter blocks may represent graphed numbers.

Object replacement may be used during the Test if it is already used regularly by the student. Please review the MSAA vocabulary lists prior to testing to ensure that students have time to learn and become familiar with any new objects. TAs are responsible for creating any objects the student may require.

Tactile Graphics

Tactile graphics are raised versions of print graphics that are adapted for the sense of touch (*Guidelines and Standards for Tactile Graphics*, 2010, Braille Authority of North America). An example is the raised lines on a simplified image of the parts of a flower or on a mathematical graph.

Tactile graphics may be used during the Test if they are already used regularly by the student. Review the MSAA vocabulary lists prior to testing to ensure that students have time to learn and become familiar with any new tactile graphics. TAs are responsible for creating any tactile graphics the student may require.

Tactile Symbols

Tactile symbols are concrete representations of objects or concepts developed for individuals with a visual impairment/blindness or who have a practical need for a graphic language system. For example, a seed within a textured triangle can represent a plant, or a textured slanted line with a series of dots can represent a graph.

Tactile symbols may be used during the Test if they are already used regularly by the student. Review the MSAA vocabulary lists prior to testing to ensure that students have time to learn and become familiar with any new symbols. TAs are responsible for creating any tactile symbols the student may require.

Transcribe

Transcribing is the process of transferring a student's response into the System. The transcription entered into the System must be an exact replica of what is produced by the student. For more information on transcription versus the Scribe accommodation, please contact your MSAA State Coordinator.

Assistive Technology Compatibility

The System supports a variety of AT devices. In general, the following AT types are expected to be compatible with the System*:

a. Text-to-speech

The System supports text-to-speech devices. The text-to-speech devices should be tested with the sample items prior to administering the Test to students.

b. Alternate keyboards

In general, alternate keyboards should be compatible as a basic USB keyboard. The keyboards should be tested with the sample items prior to administering the Test to students.

c. Switch-based navigation and answer selection

Switch-based navigation systems have been tested and should be compatible with the System. Please test the device using the sample items prior to administering the Test to students.

d. Eye-gaze

Eye-gaze devices should be compatible with the System and some devices have been tested to ensure compatibility.

* Refreshable Braille display is not supported by the System.

Keyboard-Only Navigation Shortcuts

Keyboard Navigation Reference	PC Shortcut Key	Mac Shortcut Key
HELP	CTRL + ?	CTRL + ?
NEXT	CTRL + right arrow	CTRL + >
PREVIOUS	CTRL + left arrow	CTRL + <
SCROLL DOWN	CTRL + Down Arrow	CTRL + Option + Down Arrow
SCROLL UP	CTRL + Up Arrow	CTRL + Option + Up Arrow
SELECT ANSWER	NUMBER KEYS (1-10)	NUMBER KEYS (1-10)
ZOOM IN	CTRL + Plus Key (+)	
ZOOM OUT	CTRL + Minus Key (-)	

WRITING EVIDENCE SHORTCUTS	PC Shortcut Key	Mac Shortcut Key
Attach File	CTRL + ALT + A	CTRL + A
Choose File/Browse	CTRL + ALT + C	CTRL + C
CLOSE OVERLAY/POP-UPS	CTRL + ALT + X	CTRL + X
Description Box	CTRL + ALT + D	CTRL + D
File Attachment	CTRL + ALT + F	CTRL + F
OPEN & CLOSE ACCESSIBILITY MENU	CTRL + ALT + O	CTRL + O
OPEN QUESTION LISTING	CTRL + ALT + L	CTRL + L
Retake Snapshot	CTRL + ALT + R	CTRL + R
REVIEW SESSION/NEXT POP-UP	CTRL + ALT + N	CTRL + N
Take Snapshot	CTRL + ALT + T	CTRL + T
UPLOAD EVIDENCE	CTRL + ALT + U	CTRL + U
Web Camera	CTRL + ALT + W	CTRL + W

Appendix B: Technology Requirements

Devices

Desktop computers, laptops, tablets, and other devices can be used to administer the assessment. The following devices are supported when used with the browsers listed in the **Browser** section below.

- a. Windows computer
- b. Mac computer
- c. Chromebook
- d. iPad 2 or newer
- e. Android tablet
- f. Windows tablet

Operating System

The supported operating systems for each device are listed below. Use the latest version of the supported browsers to access the assessment successfully.

Device	Version
Windows computer	Windows 10
Mac (Apple OS X) computer	Mac OS X 10.15 or later
Chromebook	OS 79 or later
Linux	Ubuntu 18.04, Fedora 22 or later
iPad 2 or newer	iOS 12.0 or later; iPadOS 13.1 or later
Android tablet	Android 8.0 or later
Windows tablet	Windows 10

Browser

You will access the Test and test materials using a browser installed on your laptop, computer, or tablet. It is important that you have the latest version of at least one of the browsers listed below for the smoothest administration of the Test.

To check the browser and version you are using, go to the Google site www.whatsmybrowser.org, and it will automatically provide that information. You can also upgrade your browser to the latest version from this site for free. If you experience problems with loading the assessment, log out then log in with a different browser. Below are the supported browser versions.

Browser	Version	To Install
Chrome	79+	www.google.com/chrome
Firefox	68+	www.mozilla.com
Edge	83+	Already installed on all Windows computers
Safari	10.0+	Already installed on all Mac computers

