

**Mathematics Augmentation (Math-A)
and
Science**

Test Administrator Manual



*Maine
High School
Assessment*

Spring 2009

M a i n e D e p a r t m e n t o f E d u c a t i o n

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NOTE: Additional copies of this Test Administrator Manual may be downloaded from the Internet at <http://www.maine.gov/education/mhsa/testmaterial.html> or photocopied as needed.

TEST SECURITY AND ETHICS

The quality and usefulness of the assessment data generated by the Maine High School Assessment (MHSA) depend, in large part, on the uniformity of test administration and the security of test materials. Valuable information about student achievement of content standards measuring *Learning Results* effectiveness will be seriously compromised if test security is not strictly implemented and maintained. For this reason, all guidelines included in this manual must be followed.

TEST ADMINISTRATOR RESPONSIBILITIES

1. Test Administrators must follow the instructions provided in this manual including reading the scripts as they are written and following time allowances as they are stated.
2. Do not use the contents of the MHSA test booklets to prepare your students for the test. Doing so is a violation of test security and testing procedures.
3. Duplication of any portion of the MHSA test or answer booklets is strictly forbidden, including but not limited to audio-taping, videotaping, photographing, photocopying, and handwritten copying. No test or answer booklets or student work including any record of computer-generated responses may be retained, discarded, recycled, removed, or destroyed.
4. Test Administrators must count the materials received from the testing coordinator and return the same number to the test coordinator each day or secure the test materials as instructed by the test coordinator.
5. Test Administrators must inform students of the rules and procedures they must follow.
6. Test Administrators are responsible for providing a standardized test environment in which no coaching or prompting occurs.

The MHSA is designed to provide information about student achievement. The accuracy and value of this information are directly influenced by how students handle test materials and respond to test questions. Test Administrators are responsible for ensuring that students are properly instructed in the use of test materials and are given the opportunity to do their best.

Test Administrators must ensure that

1. students have been informed about the importance of the MHSA before testing begins; that their test results will be included in their permanent school records; a copy of the test results will be provided to their parent(s) or guardian(s); and test results will be used by teachers to help improve academic performance.
2. students do not participate in any form of cheating; only provide answers that are strictly their own; do not consult notes, textbooks, or other teaching materials; do not share test questions with other students; and do not consult other students, staff, or anyone else accessible to them during test administration.
3. each student receives a set of test materials, uses only that assigned set of test materials, and handles and completes the materials properly.
4. students are informed that they will have a specific amount of time to complete each section.

5. students are informed that they will be required to make up any test section missed due to absence from school, and that they are encouraged to avoid absences during the testing period.
6. students are informed that responses identified in the scoring process indicating that the student's physical/emotional health or personal safety may be in jeopardy may be referred to appropriate local school administrative unit (SAU) personnel. All referrals are confidential and any decisions connected with these referrals are under the jurisdiction of the local SAU.

Test Administrators should call Dan Hupp, MHSA and SAT Coordinator at the Maine Department of Education at 624-6827 if questions arise, or if any situation occurs that could cause any part of the test administration to be compromised.

PENALTIES

Failure to comply with the administration and security requirements described in this document may result in one or more of the following penalties:

- delay in reporting of student, school, or SAU results,
- invalidation of student, school, or SAU results, and/or
- investigation by the Department of Education for possible certification action.

CHECKLIST FOR TEST ADMINISTRATION

PRIOR TO TESTING

- _____ Read this *Test Administrator Manual*.
- _____ Meet with the test coordinator to plan the testing schedule, review procedures, and receive the list of students to whom you will be administering the assessment, including information about any approved accommodations. The MHSA should be administered using the same accommodations as were indicated during the SAT registration process.
- _____ Obtain sufficient sharpened number two pencils and calculators for the mathematics section.
- _____ Explain the “Test Security and Ethics” considerations in this manual to the students.
- _____ Be sure that all students have comfortable and adequate work space, including those whose accommodations require special seating.

IMMEDIATELY BEFORE TESTING

- _____ Obtain secure test and answer booklets from the test coordinator.
- _____ Post a “Testing—Please do not disturb” sign on the classroom door.
- _____ Write the name of the school on the board.
- _____ Ensure that electronic devices, including cell phones, are unavailable and that students have access to calculators only during the mathematics section.

DURING EACH TESTING SECTION

- _____ Distribute test booklets in the order they are packaged unless you are administering to a group of students who receive read aloud accommodation MP3, as described in the Approved Accommodations for the Maine High School Assessment.
- _____ Follow directions, Test Administrator scripts, and time allowances in this manual for administering student tests, including makeup testing if you are assigned to do so.
- _____ Monitor students’ handling of test materials to keep the booklets in good condition.
- _____ Give students only the time indicated in this manual to complete the sections.
- _____ Collect all test materials from each student at the end of each testing period and return the materials to the test coordinator or secure the test materials as instructed by your test coordinator.
- _____ Notify the test coordinator of all students needing makeup sessions at the end of each testing day.
- _____ Administer makeup sessions if assigned to do so.

After completing testing, refer to the “Checklist for Concluding the MHSA Administration” on page 16.

PREPARATION FOR TESTING

It is expected that all students will take part in the MHSA, either through standard administration, administration with accommodation(s), or alternate assessment.

Familiarize yourself with all administration procedures prior to testing. Attend the meeting scheduled by your school principal/test coordinator to discuss the testing schedule (including plans for delivery of approved accommodations and makeup schedule), review testing procedures, and receive information on how test materials will be distributed and tracked in your school between and during administration of test sections.

TEST SCHEDULE

Except for makeup sections or sections for students requiring test accommodations, the test sections must be administered concurrently to all students and follow the order listed below. The test coordinator in your school will arrange a testing schedule with you. It is recommended that a 10-minute break be provided to students between test sections.

Test Section Order and Time Allowances

Section	Time Allowed
Material Distribution/Identification Time	5-10 minutes
Section 1: Mathematics Augmentation (Math-A)	30 minutes
Section 2: Science	60 minutes
Section 3: Science	60 minutes
Section 4: Student Questionnaire	15 minutes

STUDENT TESTING MATERIALS

In addition to this manual, you will receive a set of test booklets and answer booklets for the group of students you will be testing.

- ☞ NOTE: During every test section, students should always be working with their own original test materials, which are those distributed to them at the beginning of testing.
- ☞ NOTE: The different forms of the test booklets are arranged in a special order in the stacks you have been given. **DO NOT CHANGE THE ORDER OF ANY FORMS.** They are arranged to achieve the proper distribution of materials when they are passed out. The test sections for all content areas contain questions that are unique to each test form. The only exception to this distribution requirement is for students who have been identified as requiring approved read aloud accommodation MP3. In this case, schools may choose one or more form(s) for use with these students.

The answer booklets do not have different forms. They have been designed for machine scoring and should be handled carefully. The booklets should be free of extraneous marks and loose eraser bits, and they should never be folded, clipped, stapled, banded, or torn.

PREPARING STUDENTS FOR THE TEST

The MHSA consists of multiple-choice and constructed-response questions, so it is appropriate to familiarize students with these types of questions. Sample mathematics and science released items can be found on the Maine Department of Education web site at:

<http://www.maine.gov/education/mhsa/mathaugment/>.

☞ NOTE: Using current test materials to familiarize students with test-taking strategies is a violation of test security and testing procedures.

Students should be made aware of the need to plan concise, complete answers to Science constructed-response questions to fit in the boxes available in the answer booklet. Only responses written in the answer boxes will be scored.

Notify students of the testing in advance and request that they bring two sharpened number two pencils to every testing section.

TESTING STUDENTS WHO REQUIRE ACCOMMODATIONS

It is important that those Test Administrators who administer the test with accommodations

- know which students have been approved by a team to participate in the MHSA using the same allowable accommodations that will be used during the administration of the SAT.
- have a copy of the allowable accommodations that clarify what is permissible,
- explain to students what accommodation(s) are allowable,
- have been trained to administer the assessment according to the administration procedures in this manual, and
- write the student name, student MEDMS ID number, and school name on each page of student work for students who receive accommodation MR4 (student use of word processor). Indicate the content area, section, and question numbers on each page. Staple all the extra answer pages that are printed out of the word processor together and insert this packet anywhere in the student's answer booklet at the end of testing.

FINAL ADMINISTRATION PREPARATION

Just before testing, please

- arrange testing materials for each section so that you will be able to distribute them to students rapidly.
- post a “TESTING—PLEASE DO NOT DISTURB” sign on the classroom door.
- write the name of the school on the board (e.g., “SCHOOL: Pine Tree Valley High School”).

SCRIPTS

Test administration sections in this document provide the actual scripts (**words printed in boldface excluding the section information boxes**) to be read aloud as printed to students during test administration. General directions for test administration (not to be read aloud) are printed in regular text. It is important that directions be read as scripted to ensure uniformity of test administration.

TEST ADMINISTRATION INTERRUPTIONS

Circumstances over which you have no control (fire drills or power failures, for example) may interrupt testing. If such an interruption does occur during any testing section, instruct students to insert their answer booklets in their test booklets and close their test booklets. When normal conditions are restored, resume testing. Interruptions should not reduce the total amount of time students are given to complete the interrupted section.

MATHEMATICS AUGMENTATION (MATH-A)—SECTION 1

Time Allowed: 30 minutes

Uniform testing conditions depend on you reading the script exactly as detailed in this section.

1. At the beginning of the administration, **say to the students:**

During this administration of the Maine High School Assessment you will be taking the Mathematics Augmentation Test (Math-A) and the Science Test. The results from the Math-A test will be combined with your SAT mathematics results to measure your achievement of Maine's *Learning Results*.

If you have questions about any of the instructions I give you, please ask them so that you can be sure of doing your best on this state assessment.

The Maine Department of Education has testing policies that are designed to give each of you a fair and equitable opportunity to show your abilities. To ensure fairness, do not engage in any of the following unacceptable behaviors:

- Giving or receiving help of any kind
- Looking through the test booklet before the start of the test
- Marking answers after time is called
- Sharing test questions with anyone during or after the test
- Attempting to remove test materials from the testing room
- Attempting to take the test for someone else
- Causing a disturbance of any kind
- Failing to follow testing procedures

Now we're going to prepare to start the test.

- Remove everything from your desktop except your pencils, erasers, and a calculator.
- Turn off the power to cell phones, pagers, watch alarms, handheld computers, and other electronic devices, and place them under your desk.
- Please be respectful of the quiet testing environment required by your fellow students.
- Also remove any highlighters, rulers, dictionaries or other books, pens or colored pencils, pamphlets, and papers of any kind as these are all prohibited.
- Close all bags and backpacks and put them under your desk until the test is over.
- If you brought a backup calculator or extra batteries, please take them out and put them under your seat in plain sight.

2. Walk around the room to make sure no one has the following unauthorized materials or aids on his or her desk.
 - Pens
 - Mechanical pencils
 - Pocket organizer
 - Portable/handheld computer
 - Electronic writing pad
 - Pen-input/stylus-driven device

- Calculator with a typewriter-like keypad
- Calculator that uses paper tape, makes noise, or needs an electrical outlet
- Cell phone calculator

If these devices are displayed, have students remove them from their desks.

3. Then **say to the students:**

I am going to pass out an answer booklet and test booklet to each of you now. When you get the test booklet, read the back cover. It has important information about timing, marking answers, and scoring. Do not open your test booklet until I ask you to do so.

Distribute one answer booklet and one test booklet to each student. Make sure every student is using a Number 2 pencil. Check to ensure that no one is using a pen or mechanical pencil.

When you have finished reading, please look up.

4. When all students are ready, **say to the students:**

On the back of your test booklet, print your last name, first name, and middle initial, if you have one, on the line provided. [Pause.] Write the name of our school on the next line. [Pause.]

Now look at the cover of your answer booklet. Using a Number 2 pencil, write your name and our school name in the upper right-hand corner. [Pause.]

Now turn to page 2 of the answer booklet and find Box D. Fill in the bubble for the form number that appears in the box in the middle of the front cover of your test booklet.

Check that students are filling in the correct form number.

5. When everyone is ready, **say to the students:**

During the test, keep your answer booklet and test booklet flat on your desk. If you find a defect with either one, raise your hand at that time. I will walk around the room to check progress. I will also keep the official time for the test.

Remember, after the test has ended, no one may leave the room until I announce dismissal. If you have any questions about testing procedures, please ask them now. Once you begin testing, I cannot answer questions. [Answer any procedural questions students may have.]

6. After you answer all questions, **say to the students:**

You will now take Math-A Section 1. This section consists of 18 multiple-choice questions. You will have 30 minutes to work on the section. Every question in this section can be solved without a calculator; however, using a calculator may be helpful to you.

You will answer the questions in Section 1 in the answer box labeled *Math-A Section 1*. Do not work past the stop sign on page 2 of your answer booklet. Open your test booklet to page 1, read the directions, and begin working now.

Please be alert and attentive throughout the test. Do not read, grade papers, work on a computer, talk on a cell phone, or do any other task unrelated to the test administration. During testing, follow these procedures:

Time the test:

Write the start and stop times on the board for students to see. Before you call stop, check your watch against the time you wrote on the board.

Monitor test-takers:

Walk around the room to check that everyone is working independently.

7. After exactly 30 minutes, **say to the students:**

Please stop working now. Put your pencils down.

Instruct the students to put the calculators away or return borrowed calculators to you.

If you plan to continue testing, follow the instructions for Science Section 2 beginning with step 2.

If you do not plan to continue testing at this time, **say to the students:**

This completes Section 1. Please put your answer booklet in your test booklet and close your test booklet. I will now collect your answer booklet and test booklet. Please sit quietly until you are dismissed.

Before dismissal:

- Collect the test booklets with inserted answer booklets from each student. Do not separate the answer booklets from the test booklets.
- Check that the student's name, your school name, and the correct form number are completed on each student's answer booklet.
- Verify by count that you have a test booklet with inserted answer booklet for each student.
- Keep students seated until you are sure you have an answer booklet and test booklet from each student.

8. After all materials are accounted for, **say to the students:**

Remember, you must not, under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including e-mail, text messages, or the Internet.

This test section is now over. Thank you for your cooperation.

Do not separate the test booklets from the answer booklets. After the students are dismissed, count and return all booklets to the test coordinator or secure the test materials as instructed by your test coordinator.

SCIENCE—SECTION 2

Time Allowed: 60 minutes

Uniform testing conditions depend on you reading the script exactly as detailed in this section.

1. Pass out test booklets and answer booklets to students if they do not have them already. Make sure every student is using a Number 2 pencil. Check to ensure that no one is using a pen or mechanical pencil.

Say to the students:

Before you begin, please check to see that your name is written on your test booklet and answer booklet.

- Remove everything from your desktop except your pencils and erasers.
- Unlike for the Math-A section, calculators are not allowed during science sections.
- Turn off the power to cell phones, pagers, watch alarms, handheld computers, and other electronic devices, and place them under your desk.
- Please be respectful of the quiet testing environment required by your fellow students.
- Also remove any highlighters, rulers, dictionaries or other books, pens or colored pencils, pamphlets, and papers of any kind as these are all prohibited.
- Close all bags and backpacks and put them under your desk until the test is over.

Walk around the room to make sure no one has the following unauthorized materials or aids on his or her desk.

- Pens
- Mechanical pencils
- Pocket organizer
- Portable/handheld computer
- Electronic writing pad
- Pen-input/stylus-driven device
- Calculators
- Cell phone calculator

If these devices are displayed, have students remove them from their desks.

2. When all students are ready, **say to the students:**

During the test, keep your answer booklet and test booklet flat on your desk. If you find a defect with either one, raise your hand at that time. I will walk around the room to check progress. I will also keep the official time for the test.

Remember, after the test has ended, no one may leave the room until I announce dismissal. If you have any questions about testing procedures, please ask them now. Once you begin testing, I cannot answer questions. [Answer any procedure questions students may have.]

3. After you answer all questions, **say to the students:**

You will now take the first of two Science sections. This section consists of 20 multiple-choice and 3 constructed-response questions. You will have 60 minutes to work on the section.

Open your answer booklet to page 2. You will answer the questions in Science Section 2 on pages 2 through 5 of your answer booklet. Do not work past the stop sign on page 5 of your answer booklet. Open your test booklet to page 10, read the directions, and begin working now.

Please be alert and attentive throughout the test. Do not read, grade papers, work on a computer, talk on a cell phone, or do any other task unrelated to the test administration. During testing, follow these procedures:

Time the test:

Write the start and stop times on the board for students to see. Before you call stop, check your watch against the time you wrote on the board.

Monitor test-takers:

Walk around the room to check that everyone is working independently.

4. After exactly 60 minutes, **say to the students:**

Please stop working now. Put your pencils down.

If you plan to continue testing, follow the instructions for Science Section 3 beginning with step 2.

If you do not plan to continue testing at this time, **say to the students:**

This completes Section 2. Please put your answer booklet in your test booklet and close your test booklet. I will now collect your answer booklet and test booklet. Please sit quietly until you are dismissed.

Before dismissal:

- Collect the test booklets with inserted answer booklets from each student. Do not separate the answer booklets from the test booklets.
- Verify by count that you have a test booklet with inserted answer booklet for each student.
- Keep students seated until you are sure you have an answer booklet and test booklet from each student.

5. After all materials are accounted for, **say to the students:**

Remember, you must not, under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including e-mail, text messages, or the Internet.

This test section is now over. Thank you for your cooperation.

Do not separate the test booklets from the answer booklets. After the students are dismissed, count and return all booklets to the test coordinator or secure the test materials as instructed by your test coordinator.

SCIENCE —SECTION 3

Time Allowed: 60 minutes

Uniform testing conditions depend on you reading the script exactly as detailed in this section.

1. Pass out test booklets and answer booklets to students if they do not have them already. Make sure every student is using a Number 2 pencil. Check to ensure that no one is using a pen or mechanical pencil.

Say to the students:

Before you begin, please check to see that your name is written on your test booklet and answer booklet.

- Remove everything from your desktop except your pencils and erasers.
- Turn off the power to cell phones, pagers, watch alarms, handheld computers, and other electronic devices, and place them under your desk.
- Please be respectful of the quiet testing environment required by your fellow students.
- Also remove any highlighters, rulers, dictionaries or other books, pens or colored pencils, pamphlets, and papers of any kind as these are all prohibited.
- Close all bags and backpacks and put them under your desk until the test is over.

Walk around the room to make sure no one has the following unauthorized materials or aids on his or her desk.

- Pens
- Mechanical pencils
- Pocket organizer
- Portable/handheld computer
- Electronic writing pad
- Pen-input/stylus-driven device
- Calculators
- Cell phone calculator

If these devices are displayed, have students remove them from their desks.

2. When all students are ready, **say to the students:**

During the test, keep your answer booklet and test booklet flat on your desk. If you find a defect with either one, raise your hand at that time. I will walk around the room to check progress. I will also keep the official time for the test.

Remember, after the test has ended, no one may leave the room until I announce dismissal. If you have any questions about testing procedures, please ask them now. Once you begin testing, I cannot answer questions. [Answer any procedural questions students may have.]

3. After you answer all questions, **say to the students:**

You will now take the last Science section. This section consists of 28 multiple-choice and 2 constructed response-questions. You will have 60 minutes to work on the section.

Open your answer booklet to page 6. You will answer the questions in Science Section 3 on pages 6 and 7 of your answer booklet. Open your test booklet to page 17, read the directions, and begin working now.

Please be alert and attentive throughout the test. Do not read, grade papers, work on a computer, talk on a cell phone, or do any other task unrelated to the test administration. During testing, follow these procedures:

Time the test:

Write the start and stop times on the board for students to see. Before you call stop, check your watch against the time you wrote on the board.

Monitor test-takers:

Walk around the room to check that everyone is working independently.

4. After exactly 60 minutes, **say to the students:**

Please stop working now. Put your pencils down.

If you plan to administer the questionnaire now, follow the instructions for Student Questionnaire Section 4 beginning with step 2.

If you do not plan to administer the questionnaire at this time, **say to the students:**

This completes Section 3. Please put your answer booklet in your test booklet and close your test booklet. I will now collect your answer booklet and test booklet. Please sit quietly until you are dismissed.

Before dismissal:

- Collect the answer booklet and test booklets from each student. Do not separate the answer booklets from the test booklets.
- Verify by count that you have a test booklet and answer booklet for each student.
- Keep students seated until you are sure you have an answer booklet and test booklet from each student.

5. After all materials are accounted for, **say to the students:**

Remember, you must not, under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including e-mail, text messages, or the Internet.

This test section is now over. Thank you for your cooperation.

Do not separate the test booklets from the answer booklets. After the students are dismissed, count and return all booklets to the test coordinator or secure the test materials as instructed by your test coordinator.

STUDENT QUESTIONNAIRE—SECTION 4

Time Allowed: 15 minutes

1. Pass out test booklets and answer booklets to students if they do not have them already. Make sure every student is using a Number 2 pencil. Check to ensure that no one is using a pen or mechanical pencil.

Say to the students:

Before you begin, check to see that your name is written at the top of page 1 of your Student Answer Booklet.

- Remove everything from your desktop except your pencils and erasers.
- Turn off the power to cell phones, pagers, watch alarms, handheld computers, and other electronic devices, and place them under your desk.
- Also remove any highlighters, rulers, dictionaries or other books, pens or colored pencils, pamphlets, and papers of any kind as these are all prohibited.
- Close all bags and backpacks and put them under your desk until the questionnaire is over.

Walk around the room to make sure no one has the following unauthorized materials or aids on his or her desk.

- Pens
- Mechanical pencils
- Pocket organizer
- Portable/handheld computer
- Electronic writing pad
- Pen-input/stylus-driven device
- Calculators
- Cell phone calculator

If these devices are displayed, have students remove them from their desks.

2. **Say to the students:**

You are now going to take the Student Questionnaire session. Please open your Test Booklet to page 27. You will answer the questions for this section on page 8 of your Student Answer Booklet.

You will have about 15 minutes to answer the questions in this section. If you are not finished at that time you may have more time to complete the questions.

3. After 15 minutes, **say to the students:**

Please raise your hand if you have not finished answering the questions in this section. If students raise their hands, allow them a reasonable amount of time to complete the session.

4. When all students have finished, **say to the students:**

Place your answer booklet on top of your test booklet. I will now collect your answer booklet and test booklet. Please sit quietly until you are dismissed.

Before dismissal:

- Collect the answer booklet and test booklets individually from each student.
- Make sure answer booklets are not inserted in or between test booklets.
- Keep students seated until you verify by count that you have a test booklet and an answer booklet for each student.

5. After all materials are accounted for, **say to the students:**

This test administration is now over. Thank you for your cooperation.

After students are dismissed, follow the “Checklist for Concluding MHSA Administration” below.

CHECKLIST FOR CONCLUDING MHSA ADMINISTRATION

CHECKING STUDENT TEST AND ANSWER BOOKLETS

- _____ Check the condition of the answer booklets. Notify your test coordinator if any booklets are torn or damaged.
- _____ Sort the answer booklets into alphabetical order by the students’ last names to facilitate the application of student labels by the test coordinator. It is not necessary to alphabetize the test booklets.
- _____ For students who received accommodation MR4 (student use of word processor) verify that the following are included on each word processed page of responses:
 - student name,
 - student MEDMS ID number,
 - school name,
 - content area,
 - section number, and
 - question number.

Staple the separate printout pages all together and insert this packet into any place in the Student Answer Booklet. **Do not attach the pages to the answer booklet.** Notify the test coordinator that this answer booklet should be returned in the Special Handling envelope.

- _____ Return all test and answer booklets to the test coordinator and notify him or her of any students who require makeup testing.

Thank you for your participation and assistance in the administration of the MHSA.