

## *Alt-MSA Handbook Part 5:* **Portfolio Scoring and Reporting**

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### **Overview of Alt-MSA Portfolio Scoring**

Prior to selecting MOs for students, instructing them, and constructing a student portfolio, it may be helpful for school staff and the TET to obtain a general understanding of how the Alt-MSA portfolios will be scored. Understanding the scoring process can help TET members to avoid mistakes in constructing the portfolios that would render them non-scorable.

The portfolios are scored by professional scoring staff hired and trained according to MSDE's specifications by the Alt-MSA test contractor.

- MSDE staff and Maryland teachers are actively involved in the development of training materials which include anchor sets, practice sets, qualifying sets, and calibration sets through the rangefinding process to ensure quality, consistency, and integrity throughout all aspects of the scoring project.
- MSDE technical staff is present at all times during the scoring project and is the final authority when scoring questions arise.
- The role of the scorers is to ascertain whether the evidence submitted (an artifact) demonstrates that the student has attained the MO by meeting all the conditions. The criterion for a judgment of mastery is 80%–100% and is stated in the MO.

Artifacts are scored “Mastered” when **each** of these requirements is met:

- MOs are aligned with the Maryland SC/CLG.
- The portfolio contains documentation of baseline performance on the MO. Baseline data that indicate the student requires instruction on the selected MO must accompany every data chart, student work, videotape, and audiotape. Baseline data document that the student can only demonstrate the selected MO at 50% or lower accuracy.
- Artifacts for the appropriate MOs align with the required science content and reflect accurate science.
- Acceptable artifacts for baseline and mastery are submitted: student work, data chart, videotape, audiotape.
- Baseline and mastery artifacts align with MO.
- All components of the MO are evident in the baseline and mastery artifacts. If all components of the MO are evident, and the artifacts meet all requirements, the objective will be judged as “mastered.” **If any component of the MO is not evident, the objective will be judged as “not mastered.”** The observable, measurable student response must be evident in all artifacts, including data charts. The scorers **will not** attempt to “grade” an artifact to determine if the objective has been mastered.
- Data charts contain at least **3-5 observations of instruction (not including baseline data) prior to attainment of criterion stated in the MO.**



Involvement of  
Maryland teachers in  
Alt-MSA Scoring

Requirements Students  
Must Meet to be Scored  
“Mastered” for each MO.



Factors that may cause a student to earn a score of “Not Mastered” for an MO.

- The time between baseline and mastery for **all types of artifacts** must be at least 3 different **school** days indicating instruction prior to mastery. Therefore, baseline and mastery can not be shown on the same date. **There must be at least 3 school days between baseline and mastery for any type of artifact (work sample, data chart, audio, and video).** That is, the earliest mastery can be dated from a baseline date is 4 **school** days. For example, the baseline artifact date is October 29th and the earliest the mastery artifact date can be is November 2nd. TEs will continue to submit only the baseline and mastery artifact when using a work sample, audio, and video.
- Accuracy score of 80% or greater is attained, and the single prompt type selected does not exceed the 5 maximum allowable prompts on an artifact. [Note: If “full physical” prompt level was provided to the student the artifact will not be scored “Mastered” **unless** documentation is included with the artifact that clearly demonstrates that consistent instruction to reduce the need for full physical prompts, including assistive technologies that reduce the need for full physical prompts, have been fully explored and implemented consistently during the test window (see part 4 for more information).
- Student’s (1) full name (first and last), on all pages of section 3, (2) date including month, day, and year, (3) MO being assessed, (4) accuracy score, (5) selected type of prompt prior to assessment and where those prompts were used, (6) key to interpret TE notations, (7) page number that corresponds to the Table of Contents in the Portfolio and (8) grade-level alignment and connection to SC and grade-age appropriate materials are evident on artifact.
- The reported accuracy score is verified.

**Artifacts are scored “Not Mastered” when any of the above items are missing, incomplete, or inaccurate.** After each artifact has been scored, the percentage of artifacts mastered for each content area is determined.

- Based on these overall mastery percentages, students are assigned a proficiency level of “Basic,” “Proficient,” or “Advanced.”
- For all subjects students will be assigned “Basic” if fewer than 60% of MOs are achieved, “Proficient” if at least 60% but less than 90% of MOs achieved, and advanced if 90% or greater of MOs are achieved.

The Alt-MSA scoring rubric appears in Figure 5-1 on page 5-3.

### Rangefinding

The scoring rubric reflects each of the requirements stated on pages 5-1 and 5-2. The scoring rubric is reviewed each year during rangefinding. At rangefinding, Maryland administrators and teachers who are involved in all aspects of Alt-MSA, review and refine the scoring rubric to ensure it encompasses the current Alt-MSA requirements. The rangefinders apply the scoring rubric to score selected portfolios. The scoring rubric and the scores assigned to these portfolios form the basis for scorer training. The scorers use the scoring rubric to score each artifact. The scorers work sequentially through the scoring rubric, starting with the condition code S for science if applicable. If the artifact does not meet the conditions stated for a condition code (S,B,M,DC) it is considered scorable and is scored either a “0”-Not Mastered” or a 1-Mastered. However, if the artifact meets the conditions for a condition code (S,B,M,DC), the appropriate code is recorded.

Figure 5-1: 2016 Alt-MSA Scoring Rubric

	0	Mastery Artifact is not mastered - Test examiner states the mastery artifact is not mastered - The accuracy score is less than 80% - The mastery level is less than the criterion stated in the MO		
S Science Only	S1	Baseline/Mastery artifact <b>does not</b> demonstrate "accurate science" as found in the Science SC/CLG for Biology		
	S2	Baseline/Mastery artifact <b>does not</b> align to the grade range assessed in the SC/CLG for Biology		
	S3	Baseline/Mastery artifact <b>does not</b> demonstrate content as specified in the test document		
B Baseline	B1	Baseline artifact is <b>missing or does not include</b> one of the following: - student name - date - accuracy score - key notation - mastery objective - visual or auditory component of videotape or audiotape		
	B2	Baseline artifact is <b>unacceptable</b> - checklist - homework - photographs of student performing an objective - narrative description of student demonstrating the MO - dictated response (not signed by test examiner <b>OR</b> is an incomplete sentence) - dates on artifact are out of acceptable range		
	B3	Baseline artifact <b>does not</b> align to the MO		
	B4	Baseline artifact <b>does not</b> provide evidence of - independence on baseline (no prompting permitted) - accuracy score of 50% or below		
	B5	Baseline <b>STUDENT WORK</b> <b>does not</b> provide evidence of: - student being given a choice (including AT) - observable, measurable student response	D3	Baseline <b>DATA CHART</b> <b>does not</b> provide evidence of: - student being given a choice (including AT) - observable, measurable student response
	M Mastery	M1	Mastery artifact is <b>missing or does not include</b> one of the following: - student name - date - accuracy score - key notation - mastery objective - visual or auditory component of videotape or audiotape	
M Mastery	M2	Mastery artifact is <b>unacceptable</b> - checklist - homework - photographs of student performing an objective - narrative description of student demonstrating the MO - dictated response (not signed by test examiner <b>OR</b> is an incomplete sentence) - dates on artifact are out of acceptable range		
	M3	Mastery artifact <b>does not</b> align to the MO		
	M4	Mastery Artifact demonstrates <b>overprompting</b> - prompting for a correct response - more than one prompt type is used - no indication of location of prompt when more than one prompt is used		
	M5	Mastery artifact <b>does not</b> provide evidence of at least 3 school days of instruction between baseline and mastery		
	M6	Mastery <b>STUDENT WORK</b> <b>does not</b> provide evidence of: - target number of student behaviors - student being given a choice (including AT) - observable, measurable student response	D3	Mastery <b>DATA CHART</b> <b>does not</b> provide evidence of: - target number of student behaviors - student being given a choice (including AT) - observable, measurable student response
DC Data Chart	D1	Data chart <b>does not</b> show: - instruction beginning within 7 school days of administration of baseline - a minimum of three observations on different school days prior to demonstration of mastery		
	D2	Data chart with Full Physical prompting <b>does not</b> show a minimum of ten school days of progressively intrusive prompting between baseline and demonstration of mastery.		
	1	Mastery Artifact is mastered - Accuracy Score is 80-100%		



The Home Report:  
Parents and the school  
receive copies.

The Report to Principals  
includes data from The  
Home Report as well as  
additional information  
on the Alt-MSA scores.

## Overview of Alt-MSA Reporting

When all portfolios have been scored, raw scores (number of MOs mastered, not-mastered, or non-scorable) and proficiency level designations (basic, proficient, or advanced) are generated for each student. These results are reported for individual students and aggregated at the school, school system, and State level. Results are sent to the school systems electronically and are also reported on the Maryland School Report Card web site (<http://www.mdreportcard.org>). For the purposes of accountability under NCLB, results from Alt-MSA are combined with the results of the PARCC assessment and are factored into determination of accountability.

In addition to the electronic data files generated from Alt-MSA, three key reports are generated on paper and electronically for distribution to parents and/or schools:

- **The Home Report.** Both parents and schools receive a copy of a Home Report for each individual student taking Alt-MSA. The report provides background information on the Alt-MSA and what it broadly measures, as well as an overall summary of an individual student's score and proficiency level on Alt-MSA for science, in comparison to the scores for that school, the school district, and the State. An example of the Home Report is shown in Figure 5-2. The Home Report also identifies each individual MO on which a student was assessed, and whether the student mastered or did not master the objective, or whether the artifact provided by the school in the portfolio was not scorable. The Home Report is useful for both parents and educators in planning instruction and assessing educational progress that students are achieving.
- **The Report to Principals.** This report provides additional background information on the Alt-MSA scores, including the condition codes assigned to individual MOs, which can be used to help principals and other teachers and instructional leaders at the school to make best use of Alt-MSA results in planning for the instruction of individual students or in making curriculum decisions for classes or other groups of students. The report also includes the individual detailed student-level results which were included in the Home Report, as well as aggregated reports at the school level. An example of the report to principals is included in the Alt-MSA Technical Manual which can be found on the MSDE web site (<http://www.marylandpublicschools.org>) under the links for Testing.

Figure 5-2

**Insert Alt-MSA  
Report Mock-ups  
here when available**

