Module VII.
MAPT Results: Interpreting and Using MAPT Scores

When students successfully complete the MAPT-CCR, the Test Results screen appears after students submit the answer to the last question. The screens below show the MAPT-CCR for Math Test Results page followed by the MAPT-CCR for Reading Test Results Page.

Results Screen in OWL

Student Home
Send Message
Logout

- Thank you for taking the test.
- Your results are shown below.
- After you have read the report, click on:
  - **Student Home** if you want to take another test.
  - **Logout** if you are finished testing.

Name: **Jessie Doe**
SMARTT ID: jdoe
Current site: -NAR: CEA Test Accounts (xxxx-login)

Current Test
Test finished on: 11/9/2009 10:39 AM
Your Score: **380**   **Score Range: 348-412**

Scale Score	200 – 299	300 – 399	400 – 499	500 – 599	600 – 700
Your Score		X			

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On the Test Results screen, students are thanked for taking the test. The Test Results page also lists the following information:

- the test they took, Math or Reading ("**MAPT-CCR for Math**" or **"MAPT-CCR for Reading"**)
- the student's name, LACES ID (MAPT), and current AE program
- the results for the current test administration, including
  - date and time the test was finished
  - the student's MAPT-CCR score ("**Your Score**")
  - the score range, which reports the confidence band around a student's score
  - a table showing the different test levels and where the student's score appeared in a specific level.

The student's scale score will be located within a cell of the table corresponding to a MAPT-CCR 100-point score interval, which is highlighted in green. The "X" representing the student's score will be approximately situated within that cell relative to their MAPT-CCR scale score. For example, if a student obtains a score of 380 on the MAPT-CCR the "X" will be positioned close to the right-hand edge of the cell illustrating the 300-399 range. This table shows the score ranges for each test level. The test levels are aligned with the CCRSAE levels, indicating what students at this level are likely to know and be able to do.

Before students exit the score report page, test administrators may wish to print out the score report page for a complete record of the student's test results. The test results are exported nightly from UMass/OWL into the ACLS LACES system.

Understanding MAPT-CCR Scores

Test administrators and program staff may still want to determine related information such as how the student's score relates to the CCRSAE in Math or Reading, the GLE (Grade Level Equivalent) Level and NRS (National Reporting Service) Level. The MAPT-CCR score scale ranges from 200 to 700. A score of 200 is the lowest possible score and a score of 700 is the highest possible score as illustrated below.

200
(lowest possible score)

700
(highest possible score)

After taking the MAPT-CCR for Reading or the MAPT-CCR for Math, all students are given a score on this scale. Scaled scores are based on the number and difficulty of the items that the student correctly answered. A student who answers many difficult items correctly will earn a higher score than a student who answers the same number of easier items correctly. Essentially, this method of scoring gives students more "credit" for answering a difficult item correctly than for correctly answering an easier item.] The mathematical details of this scoring, provided in the MAPT-CCR Technical Manual (Zenisky et al., 2018, https://www.umass.edu/remp/pdf/MAPT-CCR_TM_Final.pdf), are based on a statistical model called *item response theory*. For our current purposes, it is only important to bear in mind these two points:

1. All students receive a score between 200 and 700;
2. Students' scores are determined by the number and the difficulty of the items they answer correctly.

MAPT-CCR scores represent an estimate of students' proficiency in math or reading according to objectives listed in the CCRSAE and the skills listed in the NRS EFL descriptors. Educational tests, like all psychological measures, are imperfect. Therefore, it is possible that students' true proficiencies may be above or below the estimate provided by MAPT-CCR. A score range around the scaled score is provided as well, and educators are encouraged to use the score range in discussing students' performance on the MAPT-CCR. The student levels and EFLs associated with MAPT-CCR scores are very general descriptions of proficiency. Although these descriptions are useful for understanding students' performance on the test and for a general description of their skills, other information should be used to determine the strengths and weaknesses of individual students. For example, the MAPT-CCR does not provide diagnostic information within either subject area. Such information would require a much longer exam to reliably measure subcomponents of the math and reading domains.

The MAPT-CCR is not a placement test and should not be used as *the* determinant of placement by programs. However, when used in conjunction with other information about students' knowledge, skills, and abilities, programs may find MAPT-CCR scores helpful for such placement, particularly when both pre-test and post-test scores are available.

Educators who help adult students interpret their MAPT-CCR scores should stress that these scores are approximations of where the students stand on a continuum of content taught in various AE classes. They should also stress that any score gains on the MAPT-CCR scale are merely indicators of progress on this continuum.

Accessing MAPT-CCR Scores After Testing

MAPT-CCR scores are available in LACES within 12 hours of test completion.

If a test score is no longer showing up on a student's Student Home page in OWL, it is because 60 days or more have passed. The test is a new set of questions and is ready for the student's post-test (or a 2nd test if an optional mid-year test will be administered). After 60 days, test administrators can find the test score in LACES.

Programs are advised to also print out a hardcopy for students' files.

MAPT-CCR Score Reports in LACES

A further way to understand student performance on the MAPT-CCR is to use the MAPT-CCR score reports available through LACES. There are two types of MAPT-CCR score reports available in LACES for each content area. The first report is the **Individual Student Score Report**, which provides information about how each individual student did on a particular MAPT-CCR test. The second is the **Class Score Report**, which is organized at the class level and gives AE teachers insight into the performance of groups of students.