

Indicator: Number of students who demonstrate mastery of content in math and/or science courses (ED_MS_066)
EDUCATION SECTOR

PROJECT AREA: Math and Science

Type: Outcome

Unit of Measure: Student

Disaggregation: Sex: Male, Female;
Age: 5–9, 10–14, 15–24, 25+

Outcome Measured: Students demonstrate mastery of content in math and/or science courses

Precise definitions

A student’s **mastery of math and/or science courses** will be determined by attaining the minimum threshold score or higher on the final assessment for the grading period.

Grading period refers to a standard interval of instruction, such as a quarter, semester, or term, and the standard grading period will be determined by the national education system.

Data collection

Tool: Peace Corps headquarters has not provided a standardized tool because of the wide variation in what Volunteers might be teaching. If the host country or school has an appropriate assessment tool, Volunteers should use that tool. If no appropriate tool is available, Volunteers will need to develop a tool that aligns with their course content. Refer to “Guidelines for Developing Math and Science Student Assessment Tools.” It will be the responsibility of each Volunteer and her/his counterpart to establish what the minimum threshold score will be; one simple guideline is to align this threshold with the “passing” score in the education system.

Frequency of data collection and tracking:

Time 1 (T1)—End of grading period. At the end of the grading period, Volunteers will administer the final assessment to each student who meets the minimum requirements described below. Record the student’s level of achievement in the tracking sheet.

Who to measure: Volunteers should only include students for this outcome measurement whom they have worked with regularly during the grading period in the following activity focused on increasing achievement in math and/or science:

1. Teach math and/or science from the national curriculum using a STEM approach
2. Conduct community-based, experiential learning activities in math and/or science (take students to visit a farm, water recycling facility, etc.) for students
3. Organize and facilitate tutoring sessions or remedial groups (e.g., numeracy intervention) in math and/or science
4. Organize extracurricular math and/or science clubs, camps, or competitions (science fairs, academic bowls, girl tech camps, etc.)



Reporting

Measuring progress toward the outcome, by sex and by age: A student will be considered to have demonstrated mastery of content of her/his math or science course if the student achieves a score equal to or greater than the threshold score on the final exam of the grading period.

- For all students that attain the threshold score or higher place a Y in the cell that corresponds to the student's sex and age category.
- For all students who do *not* attain the threshold score place an N in the cell that corresponds to the student's sex and age category.
- Record the sum of all Ys + Ns for each sex and age category in the row titled "TOTAL REACHED." Report each column total in the VRF.
- Record the sum of Ys only for each sex and age category in the row title "TOTAL ACHIEVED." Report each column total in the VRF.

Note: This indicator allows individual students to be counted at the end of each grading period. However, if a student does not attain the minimum threshold score and the Volunteer works with that student during a subsequent grading period, the student may be assessed again.

Student Assessment Score Tracking Sheet

Outcome: Students demonstrate mastery of content in math and/or science courses

Outcome Indicator: Number of students who demonstrate mastery of content in math and/or science courses

Student Name	Age	T1	F				M			
		Date _____	5-9	10-14	15-24	25+	5-9	10-14	15-24	25+
		SCORE	Did the student attain the threshold score or higher at T1 (Y or N)?							
TOTAL REACHED (all Ys + Ns) to report in VRF:										
TOTAL ACHIEVED (Ys only) to report in VRF:										