Calculating the STAAR® Progress Measure

In 2019, the STAAR® progress measure is available for English reading in grades 4–8, Spanish reading in grades 4–5, mathematics in grades 4–8, Algebra I, and English II. Three steps are used to calculate the STAAR progress measure:

Step 1: Determine if the student should receive a STAAR progress measure.
Step 2: Compile the needed information to compute a STAAR progress measure.
Step 3: Compute STAAR progress measure.

Step 1: Determine if the student should receive a STAAR progress measure.

To receive a STAAR progress measure in 2019, a student must meet **ALL** of the following criteria within the same content area (mathematics, reading, or English):

- The student has a valid score from the previous school year and the current school year.
- The student has tested in successive grade levels or end-of-course (EOC) tests in the previous school year and the current school year. Students who took the same grade-level or EOC test in the previous school year and the current school year will not receive a progress measure. Students who take STAAR assessments and have skipped a grade level between the previous school year and the current school year will receive a progress measure.
- The student has taken a STAAR test in the previous school year and a STAAR test in the current school year.
- For STAAR reading assessments, the student has taken tests in the same language in the previous school year and the current school year (i.e., English or Spanish).
- For STAAR Algebra I and English II, the student has taken the test for the first time.

If a student does not meet one or more of these criteria, the student will not receive a STAAR progress measure. Some students may meet the criteria and receive a STAAR progress measure for one content area but not another.

Step 2: Compile the needed information to compute a STAAR progress measure.

To calculate the progress measure, the following student information is needed:

- Test information from the current school year, including
  - Grade level
  - Content area (i.e., subject)
Step 3: Compute STAAR progress measure.

Use the “Guide to Computing STAAR Progress Measures” and the table on the following pages to calculate a student’s STAAR progress measure.
Guide to Computing STAAR Progress Measures

- Raw score falls within the top score range (i.e., ≥ Max-2) on the current-year test?
  - Yes
  - Raw score ≤ Chance score on the current year test?
    - Yes
    - Calculate gain score = current-year test scale score - previous-year test scale score
    - No
      - Student’s performance level on the previous-year test
        - Less than Masters
          - Gain score ≥ A?
            - Yes
            - Yes
            - Gain score ≥ X?
              - Yes
              - Achieve Masters performance on the current-year test?
                - Yes
                - Accelerated Progress
                - No
                - No
                - No
                - Limited Progress
            - No
            - No
          - No
          - Limited Progress
        - Masters
          - Gain score ≥ X?
            - Yes
            - Yes
            - Expected Progress
            - No
            - No
            - No
            - Limited Progress
### Table 1. Values Used to Compute STAAR Grades 3–8 Progress Measures

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Notes:

¹ A is the distance or difference between the Meets cut scale scores on the current-school year and the prior-school year tests.
² X is the distance or difference between the Masters cut scale scores on the current-school year and the prior-school year tests.
³ B is the distance or difference between the Masters cut scale score for current-school year test and the Meets cut scale score for the prior-school year test.
⁴ MAX is the maximum possible raw scores on the current-school year test.
⁵ Chance score is the raw scores that could be reasonably attained through guessing alone. For all the tests listed here except for English II, “chance” is defined as ¼ of the multiple-choice questions (i.e., not including griddable questions for math tests). “Chance” on English II is defined as ¼ of the possible multiple-choice raw-score points, plus the weight (2) times the sum of the lowest non-zero score (1) students can get from each of the two raters. (e.g., 2 X 2 = 4) on the written composition. Chance score is rounded to the smallest integer.

Example: STAAR Grade 4 Reading

Step 1: Determine if the student should receive a STAAR progress measure.

The student meets ALL of the criteria for reading.

- The student had a valid score for reading in 2018 and a valid score for reading in 2019.
- The student did not test in the same grade level (grade 3 in 2018 and grade 4 in 2019) in English reading.
- Both reading tests were STAAR tests.
- Both reading tests were in the same language (English).

Since the student meets all the criteria, the student will receive a progress measure in reading.

Step 2: Compile the needed information to compute a STAAR progress measure.

To calculate the progress measure, the following student information is needed:

- Test information from the current school year, including
  - Grade level – 4
  - Content area – reading
Step 3: Compute the STAAR progress measure.

The following page illustrates how the student information from Step 2 and the values in Table 1 are used to determine the value of the STAAR progress measure.

1 These numbers are used for illustration purpose only and they might not correspond to any scale score points from the 2019 STAAR grade 4 English reading and 2018 STAAR grade 3 English reading raw score to scale score conversion tables.

2 These numbers are used for illustration purpose only and they might not correspond to any scale score points from the 2019 STAAR grade 4 English reading and 2018 STAAR grade 3 English reading raw score to scale score conversion tables.
Example: STAAR Grade 4 Reading (continued)

**Guide to Computing STAAR Progress Measures**

1. Raw score falls within the *top score range* (i.e., ≥ Max-2) on the *current-year test*?
   - Yes
   - No, 29 is not in the range

2. Raw score ≤ chance score on the *current-year test*?
   - No, 29 is not in the range
   - Yes

3. Calculate gain score = current-year test scale score - previous-year test scale score
   - 1486 - 1331 = 155

4. **Less than Masters**
   - Student's performance level on the *previous-year test*?
     - Yes
     - No

5. Gain score ≥ A?
   - Yes, 155 > 82
   - No

6. Gain score ≥ X?
   - Yes
   - No

7. Achieve Masters performance on the *current-year test*?
   - Yes
   - No

8. Gain score > B?
   - Yes
   - No, 155 < 165

**Progress Levels**

- **Limited Progress**
- **Expected Progress**
- **Accelerated Progress**

**Note:** Max, Chance, A, X, and B are defined in Table 1.