

Attachment B: Graduation Options: Concordance and Composite Score -Guide Sheet for Districts-

I. Background

SBE Policy 3803(b)(c), now Rule 36.3, affords students numerous options in order to meet the requirements for graduating from high school with a standard diploma. These options are:

- Passing the subject area test in Algebra I, English II, Biology, and U.S. History.
- Concordance table combining grades and scale score values.
- An average composite score of 646 using results from Algebra I, English II, Biology, and U.S. History.

II. Concordance Tables

STEP 1. Identify the appropriate Concordance Table for the course.

STEP 2. Identify the student’s final course grade.

STEP 3. Identify the student’s highest scale score on the corresponding assessment.

STEP 4. Using the appropriate Concordance Table, determine if the combination of course grade and test score meet on a “Pass” or “Fail” cell.

MAP Assessments

Table 1. Algebra I

Course Grade	Scale Score Range				
	1049-1048	1047	1046-1045	1044	<1044
D	Pass	Fail	Fail	Fail	Fail
C	Pass	Pass	Fail	Fail	Fail
B	Pass	Pass	Pass	Fail	Fail
A	Pass	Pass	Pass	Pass	Fail

Table 2. English II

Course Grade	Scale Score Range				
	1049-1048	1047	1046-1045	1044	<1044
D	Pass	Fail	Fail	Fail	Fail
C	Pass	Pass	Fail	Fail	Fail
B	Pass	Pass	Pass	Fail	Fail
A	Pass	Pass	Pass	Pass	Fail

PARCC Assessments

Table 3. Algebra I

Course Grade	Scale Score Range				
	724-722	721-719	718-716	715	<715
D	Pass	Fail	Fail	Fail	Fail
C	Pass	Pass	Fail	Fail	Fail
B	Pass	Pass	Pass	Fail	Fail
A	Pass	Pass	Pass	Pass	Fail

Table 4. English II

Course Grade	Scale Score Range				
	724-722	721-719	718-716	715	<715
D	Pass	Fail	Fail	Fail	Fail
C	Pass	Pass	Fail	Fail	Fail
B	Pass	Pass	Pass	Fail	Fail
A	Pass	Pass	Pass	Pass	Fail

SATP2 Assessments

Table 5. Algebra I

Course Grade	Scale Score Range				
	646-644	643-642	641	640-639	<639
D	Pass	Fail	Fail	Fail	Fail
C	Pass	Pass	Fail	Fail	Fail
B	Pass	Pass	Pass	Fail	Fail
A	Pass	Pass	Pass	Pass	Fail

Table 6. English II

Course Grade	Scale Score Range				
	644-641	640-639	638-637	636-635	<635
D	Pass	Fail	Fail	Fail	Fail
C	Pass	Pass	Fail	Fail	Fail
B	Pass	Pass	Pass	Fail	Fail
A	Pass	Pass	Pass	Pass	Fail

Table 7. Biology

Course Grade	Scale Score Range				
	644-640	639-637	636-635	634-632	<632
D	Pass	Fail	Fail	Fail	Fail
C	Pass	Pass	Fail	Fail	Fail
B	Pass	Pass	Pass	Fail	Fail
A	Pass	Pass	Pass	Pass	Fail

Table 8. U.S. History

Course Grade	Scale Score Range				
	640-637	636-635	634-633	632-631	<631
D	Pass	Fail	Fail	Fail	Fail
C	Pass	Pass	Fail	Fail	Fail
B	Pass	Pass	Pass	Fail	Fail
A	Pass	Pass	Pass	Pass	Fail

III. Combined (Composite) Score

- STEP 1. Identify the four assessments the student has participated.
- STEP 2. Identify the student’s highest scale score on the corresponding assessments.
- STEP 3. If PARCC and SATP2 scores are used, follow the steps under **Section 1**. If only SATP2 scores are used, follow the steps under **Section 2**. If MAP and SATP2 scores are used, follow the steps under **Section 3**.
- STEP 4. If the student’s combined (composite) score is equal to or greater than the minimum combined score, **646**, the student will have fulfilled the graduation requirements.

Section 1 (PARCC and SATP2 Assessments)

- i. Calculate the Transformed Score for the PARCC assessments by using the following formulas:
 - Transformed PARCC Algebra I Score = Student’s PARCC Algebra I Scale Score – 78 points.
 - Transformed PARCC English II Score = Student’s PARCC English II Scale Score – 80 points.

Example: If a student scored a 723 on the PARCC Algebra I assessment and a 724 on the PARCC English II assessment, the Transformed Scores will be –

- **Transformed PARCC Algebra I Score = 723 – 78 = 645**

- **Transformed PARCC English II Score = $724 - 80 = 644$**

Note: Transformation of the assessment score is **only** applied to the PARCC results.

- Calculate the student's combined (composite) score by determining the average score across all four assessments.

Test	Score	Transformation	Transformed Score
Algebra I (PARCC)	723	$723 - 78 =$	645
English II (PARCC)	724	$724 - 80 =$	644
Biology (SATP2)	652		652
US History (SATP2)	644		644

$$\text{Average Combined (Composite) Score} = \frac{645 + 644 + 652 + 644}{4} = \frac{2585}{4} = 646.25 = 646$$

III. Combined (Composite) Score (cont.)

- Ensure to round the combined (composite) score to the nearest whole number. **(646)**
- If the student's combined (composite) score is equal to or greater than the minimum combined score, **646**, the student will have fulfilled the graduation requirements. **(YES)**

Section 2 (Only SATP2 Assessments)

- Calculate the student's combined (composite) score by determining the average score across all four assessments.

Test	Score
Algebra I (SATP2)	650
English II (SATP2)	647
Biology (SATP2)	656
US History (SATP2)	638

$$\text{Average Combined (Composite) Score} = \frac{650 + 647 + 656 + 638}{4} = \frac{2591}{4} = 647.75 = 648$$

- Ensure to round the combined (composite) score to the nearest whole number. **(648)**

- iii. If the student’s combined (composite) score is equal to or greater than the minimum combined score, **646**, the student will have fulfilled the graduation requirements. **(YES)**

Section 3 (MAP and SATP2 Assessments)

- i. Calculate the Transformed Score for the MAP assessments by using the following formulas:
- Transformed MAP Algebra I Score = Student’s MAP Algebra I Scale Score – 403 points.
 - Transformed MAP English II Score = Student’s MAP English II Scale Score – 405 points.

Example: If a student scored a 1048 on the MAP Algebra I assessment and a 1045 on the MAP English II assessment, the Transformed Scores will be –

- **Transformed MAP Algebra I Score = 1048 – 403 = 645**
- **Transformed PARCC English II Score = 1049 – 405 = 644**

Note: Transformation of the assessment score is **only** applied to the MAP results.

- ii. Calculate the student’s combined (composite) score by determining the average score across all four assessments.

Test	Score	Transformation	Transformed Score
Algebra I (MAP)	1048	1048 – 403 =	645
English II (MAP)	1045	1045 – 405 =	644
Biology (SATP2)	652		652
US History (SATP2)	644		644

Average Combined (Composite) Score = $\frac{645 + 644 + 652 + 644}{4} = \frac{2585}{4} = 646.25 = 646$

- iii. Ensure to round the combined (composite) score to the nearest whole number. **(646)**
- iv. If the student’s combined (composite) score is equal to or greater than the minimum combined score, **646**, the student will have fulfilled the graduation requirements. **(YES)**