

Mathematics K–12

1. TEKS Alignment

Does the assignment align with grade-level standards?

1.1	The assignment includes an opportunity for students to demonstrate the knowledge or practice the skill(s) as outlined in the grade-level TEKS.
1.2	The assignment includes an opportunity for students to engage with mathematical process standards aligned to grade-level TEKS.

2. Depth and Coherence

Does the assignment provide opportunities for students to demonstrate depth of understanding aligned to the TEKS?

2.1	The assignment includes an opportunity for students to demonstrate depth of understanding aligned to the TEKS.
2.2	The assignment includes an opportunity for students to apply conceptual understanding to new problem situations and contexts through doing, writing, and/or discussing.

3. Balance Conceptual and Procedural Understanding

Does the assignment allow students to engage in conceptual understanding and/or procedural skills as required by the TEKS?

3.1	The assignment includes an opportunity for students to engage with various representations of mathematical situations, patterns, and procedures.
3.2	The assignment includes an opportunity for students to use concrete models, manipulatives, pictorial or abstract representations in alignment with the grade-level TEKS.

4. Productive Struggle

Does the assignment allow students to engage in productive problem-solving?

4.1	The assignment includes an opportunity for students to think critically through complex mathematical problems.
4.2	The assignment includes an opportunity for students to explain or justify ways to solve problems.