

ONLINE DIAGNOSTIC ASSESSMENT TOOLS



Component:

Provide for online formative assessment tools to diagnose students' strengths or weaknesses and to assess students' progress in mastery of the core curriculum.

Description:

Online formative assessment tools provide teachers and students a means for informed learning by delivering instant, meaningful data about proficiency. Teachers can customize instruction and implement appropriate intervention strategies based on this data.

Useful Attributes of Online Formative Assessment Tools

- Align with state curriculum standards, assessment requirements, district curriculum, and technology resources (e.g. the online Texas Mathematics Diagnostic System and the Science Diagnostic System support the TEKS and are provided free of charge by the state).
- Provide for security of data.
- Are interactive and provide useful, immediate, constructive feedback that can help students learn from their mistakes and improve their knowledge and skills.
- Provide for group and single student administration.
- Provide for assessment at the beginning of the school year and more targeted versions of assessment at multiple times throughout the year.
- Contain an appropriate number of questions for each content objective.
- Contain questions that are in an appropriate format and level of difficulty (<http://www.tea.state.tx.us/student.assessment>).
- Contain user friendly process for entering student data into the system.

Considerations for Use

- Regularly use online diagnostic assessment instruments and share results with students and parents.
- Provide immediate modifications to instruction based on formative assessment findings.
- Use online formative assessment data to customize instruction for students to assess student progress or diagnose student strengths and weaknesses in skill areas.
- Study the results of formative assessments to determine if actions should be taken in the implementation of the other components of immersion.
- Use more than one assessment method such as online evaluations, surveys, observations, and interviews.
- Develop and use authentic assessments for project-based learning.

