# Using Technology to Assess Meaningful Learning

<table>
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<tr>
<th>Electronic Portfolios</th>
<th>Rubrics</th>
<th>Clickers</th>
<th>Computer based Tests and Surveys</th>
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</table>
| • Working portfolios - Student's best performance over time.  
• In Standards-based Portfolios - Content-based or grade level expectations.  
• External Evaluation Portfolios - For an external audience. | • Technology-based Rubric Tools - Online Rubric Banks contain many pre-made or customizable rubrics.  
• Effective Rubric - Important elements are included, Each element is unidimensional, Ratings are distinct, comprehensive and descriptive, Communicates clearly with students and parents, Provides information about multiple aspects of performance. | • They can be used for pre-test.  
• Provides instant feedback during instruction.  
• Can be used to identify misconceptions.  
• Provides all students equal class participation. | • Simplified testing process for teachers.  
• Computerized adaptive test now provides meaningful application of learning.  
• Provides instant performance feedback and statistics. |

1. Using Clickers is convenient and gives instant feedback, but how can we address the reasoning behind incorrect responses by students? (In contrast, students are required to use strategies when using paper and pencil).
2. If we are moving more towards technology, should states and districts employ greater use of technology for assessment purposes?