

**Review Questions**  
for  
*Teaching Tips for Implementing Authentic Assessment - STEM*

**Multiple Choice** – Covering information provided in presentation. Some questions may have more than one right answer.

1. The fundamental role of assessment with STEM curriculum is to:
  - A. Provide information to teachers for assigning a grade.
  - B. Provide meaningful feedback for improving student learning.
  - C. Provide information to parents about a student's progress.
  - D. Provide an integrated approach to assessing science, technology, engineering, and math curriculum.
  
2. Assessment in general, is any method used to:
  - A. Make it easier for a teacher to assign a fair grade.
  - B. Understand the student's skills, knowledge, and abilities.
  - C. Better understand the current knowledge a student possesses.
  - D. Identify student strengths and weaknesses.
  
3. Teachers apply principles of authentic assessment when they:
  - A. Assign activities that require students to work independently.
  - B. Provide information to schools that don't support student learning.
  - C. Assign performance tasks for students to demonstrate what they have learned.
  - D. Implement inconsistent and unfair grading methods.
  
4. Authentic Assessment with STEM Curriculum would **not** include :
  - A. Written tests which have room for answers with explanations.
  - B. Activities that do not have meaningful and real-world application.
  - C. Observing how cooperatively and collaboratively a student works.
  - D. Activities that show how a student can use a newly acquired skill.
  
5. When using Authentic Assessment, STEM teachers will:
  - A. Choose one authentic assessment method that works effectively.
  - B. Ask students to answer questions rather than generate responses.
  - C. Involve students in solving real-world problems.
  - D. Let students guess what success looks like.
  
6. The process for implementing authentic assessment includes:
  - A. Creating a rubric to guide student towards desired performance
  - B. Emphasis on the final product without regard for the process of learning.
  - C. Instructional activities assigned to students just for the fun of it.
  - D. Performance criteria that is not communicated to the student.

7. STEM activities that are least suitable for assessing authentically include:
- A. Building models and constructs.
  - B. Reading a scientific journal and selecting the one right answer on a written test.
  - C. Conducting Science experiments.
  - D. Architectural drawings and plans.
8. A basic premise of authentic assessment with STEM curriculum is that:
- A. The teacher is the only person qualified to assess the student's work.
  - B. Students independently develop the expertise to evaluate their own participation, process, and products.
  - C. Students need assistance from teachers and peers to evaluate their work.
  - D. The purpose of assessment is to assign a grade.
9. Select all of the assessment methods used with STEM curriculum:
- A. Student portfolio.
  - B. Demonstrating how to use tools, equipment, and materials.
  - C. Observation checklists.
  - D. Scoring rubrics.
10. Which of the following shows practical application of authentic assessment with STEM curriculum?
- A. Meaningful feedback between student and teacher about achieving learning objectives.
  - B. Reading the latest information in technology journals and answering multiple choice questions.
  - C. Sticking with the original design plan after discovering ways to improve the design.
  - D. Answering multiple choice questions that do not include a place for "explanations".

Key – Review – *Teaching Tips for Implementing Authentic Assessment – STEM*

1. B
2. C
3. C
4. B
5. C
6. A
7. B
8. B
9. A,B,C,D
10. A