

An Additional Assessment Strategy Proposal:

A Portfolio that is collected and marked in the latter portion of the course...

- Advantages:
- It is student centered
 - It allows students to shine in areas of mathematics that are not strictly paper and pencil
 - It allows students to show their learning's using multiple intelligences (students do not all learn best in the same way)
 - it may actually create and stimulate interest in mathematics
 - by reviewing the material in their portfolio to select their best work they are preparing for the exam
 - in creating material for their portfolio (ie The Review Unit Game) they are preparing for the exam
 - often it is difficult to leave something stimulating and engaging for a supply teacher. Perhaps portfolio time accompanying a quiz would be more beneficial to the students and the supply teacher.

Now remember that a portfolio is a collection of the students' best work. They will need a wide range of engaging activities to help them shine. Several suggested pieces would be...

Sample Portfolio topics...

| | Description | Date Submitted |
|-------------------------------------|---|----------------|
| Submit all five: | 1) A one page written description on “Why I need Math” 2) Best 5 Journal responses 3) Best test with cover sheet of reflections (sample cover sheet: What I did right... What I could improve upon...) 4) Completed Survival Guide (with all exam review questions) 5) A completed job application and resume | |
| Choose <u>two</u> of the following | 6) Research and critique three math websites. 7) Create a Newspaper article describing 5 everyday uses for the concepts in this course 8) Summary and critique of current math worthy news related story (include clipping) 9) Research and write 5 paragraphs on a famous mathematician that you are interested in 10) Create a three fold brochure to help students in the years to come understand how to use the graphing calculators for things such as setting up a table of values, graphing quadratics, finding the line of best fit etc. | |
| Choose <u>four</u> of the following | 11) Write a Rap song (or poem) to help remember some content specific rules (ie. All the ways to solve for unknown values in a triangle) 12) Construct your own Cartesian Plane Treasure Map using all methods described in the unit of Linear Systems. Use our classroom as the Cartesian Plane. Provide complete solutions as well. 13) Create a crossword puzzle with the course content and definitions (provide completed solution as well) 14) Create a word search with the course content and definitions (provide completed solution as well) 15) Create a piece of artwork that is inspired by course content (ie a sketch of the golden gate bridge that was quadratics inspired). Write a few sentences to describe how you were inspired and the content covered. 16) Create a “Most Wanted” poster for the area of the course you had the most difficulties with (ie. \$10000 reward for the straight answer on how to work with Investment Math) 17) Create a card game (ie. Go fish, or concentration) dealing with a topic covered in the course (ie. Exponential Functions, or Geometry) 18) Create a review game for the course content (i.e. Jeopardy, Who wants to be a millionaire, Wheel of Fortune). Include solutions to the questions as well. | |