

COMPUTATION RUBRIC

Graduates of Rhodes State College will demonstrate computational skills in the context of solving real world problems by following some or all of these competencies:

1. Read and understand the situation to determine a solution strategy.
2. Set up the problem with the pertinent information.
3. Solve the problem with the given data using appropriate technology such as calculators or computers as needed.
4. Check the computational results for accuracy and reasonableness.
5. Communicate or utilize the results.

Problem Solving Evaluation Matrix

	Read and understand the situation to determine a solution strategy.	Set up the problem – with pertinent information.	Solve the problem using appropriate technology	Check the results for accuracy and reasonableness.	Communicate or utilize the results.
Level Four	Complete and correct interpretation of the problem to determine a solution strategy.	Complete and correct setup of the problem.	Complete and correct solving of the problem. Appropriate use of the technology	Complete and correct checking for reasonableness and accuracy of the results.	Complete and correct explanation of the results.
Level Three	Substantial conceptual understanding of the problem flawed by minor errors or incompleteness	Substantial understanding of setting up the problem flawed by minor errors or incompleteness.	Substantial success in solving the problem flawed by incompleteness or minor errors. Partial command of the technology.	Substantial success in checking for reasonableness and/or accuracy flawed by minor errors or incompleteness.	Minor errors or incompleteness in the explanation of the results.
Level Two	Significant or multiple errors in interpreting the problem to determine a solution strategy.	Significant or multiple errors in setting up the problem.	Significant or multiple errors in solving the problem. Significant or multiple errors in the use of technology.	Significant or multiple errors in checking for reasonableness and/or accuracy of the results.	Significant or multiple errors in the explanation of the results.
Level One	No attempt or no conceptual understanding of the problem demonstrated	No attempt or no conceptual understanding of the problem demonstrated.	No attempt or no conceptual understanding of the problem demonstrated.	No attempt or no conceptual understanding of the problem demonstrated.	No attempt or no conceptual understanding of the problem demonstrated.