

Source: <http://cte.jhu.edu/techacademy/web/2000/roberson/Problem.html>

Maryland Technology Academy, an intensive professional development opportunity for teachers across Maryland that focuses on using technology to significantly impact student learning and promote school improvement.

Genes-R-Us Problem-Solving Rubric

This rubric will evaluate the students ability to find solution to real world problem.

	D 1	C 2	B 3	A 4	Score
Understanding the Problem	Need a complete explanation of the problem before getting started	Needs some clarification from others to understand the problem	Understands (can explain) the problem and proceeds to the next step	Understands the problem and relates it to other situations in the working world	
Research & Gather Information	Does not collect any information that relates to the topic	Collects very little information, some relates to the topic	Collects some basic information, most relates to the topic	Collects a great deal of information, all relates to the topic	
Planning to Solve the Problem	Designs only one strategy, required assistance to evaluate strategy	Brainstorms a few strategies and requires assistance to select an appropriate strategy	Brainstorms several strategies, decides on an appropriate solution	Brainstorms many strategies, decides on appropriate solution to each strategy	
Carrying out the Plan	Attempts to solve problem with an inadequate strategy	Solves problem without making modifications	Solves problem using design, makes appropriate modifications to conclude	Challenges self to try new methods to solve problem	
Evaluating the Results	Requires assistance to evaluate solutions	Limited evaluation of solution without assistance, compare solution to the problem	Compare actual and expected results	Suggests other modifications or applications for other work situations, design own evaluation criteria	

Communicates Result	Explains what happened in simple terms	Explains what happened using terminology related to the problem	Explains the reason one method is better using specialized language and symbols including specific measurements and quantities	Generalizes solution, describes how solution can be used in other situations	
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