Jigsaw Grading Rubric - Solve

Key Elements	1 Point	0 Points
Explanation	Explanation is relevant and detailed.	Explanation does not exist or is not clear or helpful.
Problem	Proper use of the four -step problem solving method	The four-step method is not used at all, or it is used
solving		incorrectly.
strategy		
Physics	Key ideas were correctly identified, no unrelated ideas	No key ideas identified, or many unrelated concepts
concepts	were identified as "key ideas"	were included along with the key ideas
Physics	Appropriate equations were used for each step.	Appropriate equations were never or rarely used.
applications		
Math	No major mathematical misconceptions or arithmetic	Evidence of clear mathematical misconceptions, major
	errors	or frequent arithmetic mistakes.
Assessments	Assessments are generally well-reasoned and include a	No assessment attempt was made or the assessment
	unit check and at least one of the four strategies: using	reasoning is nonsensical or circular.
	physical intuition and familiar values, solving the same	
	problem a different way, evaluating the formula,	
	examining the extremes.	

Jigsaw Grading Rubric - Teach

Key Elements	1 Point	0 Points
"Lecture"	Took part actively in the teaching demo, explaining a	Did not participate in the teaching demo or only did a
	part of the problem alongside writing the process on the	part of the demo that was not solving the problem (e.g.
	board.	just writing the problem statement on the board)
"Q&A"	Questions were answered, with help from an instructor	Questions were ignored or no answer given.
	or LA or independently	_

Jigsaw Grading Rubric - Learn

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Key Elements	1 Point	0 Points	
Participation	Student was present for the "Learn" portion and asked	Student was not present or did not ask questions.	
	at least one question about a problem.		
Problem solving	Proper use of the four -step problem solving method	The four-step method is not used at all, or it is used	
strategy		incorrectly.	
Physics	Key ideas were correctly identified, no unrelated ideas	No key ideas identified, or many unrelated concepts	
concepts	were identified as "key ideas"	were included along with the key ideas	
Physics	Appropriate equations were used for each step.	Appropriate equations were never or rarely used.	
applications			
Math	No major mathematical misconceptions or arithmetic	Evidence of clear mathematical misconceptions, major	
	errors	or frequent arithmetic mistakes.	
Assessments	Assessments are generally well-reasoned and include	No assessment attempt was made or the assessment	
	a unit check and at least one of the four strategies:	reasoning is nonsensical or circular.	
	using physical intuition and familiar values, solving		
	the same problem a different way, evaluating the		
	formula, examining the extremes.		

Points: ____/14 Final grade:

0-6: Unsatisfactory7-10: Satisfactory

• 11-14: Excellent