

Teacher: _____ Observer Name: _____ Date: _____

Name of FRAME: _____ Rating _____ / _____ = _____ % _____ # 0s

Rating Guide: 2 = Present and correct; 1 = Present, but needs improvement; 0 = No or Not present;
 N/A = Not appropriate at student level or available with the information provided

Scientific Argumentation Guide Device Checklist

Feature	Rating	Enhancement or Feedback
The claim with the qualifier		
1. The claim that the evidence is supporting is clearly stated	2 1 0 N/A	
2. Qualifiers used in the information are represented in the claim or stated OR no qualifiers are present	2 1 0 N/A	
Evidence		
3. Evidence from the information is represented.	2 1 0 N/A	
4. The evidence is summarized and or paraphrased accurately	2 1 0 N/A	
Types of Evidence		
5. Each piece of evidence is accurately labeled with the correct type	2 1 0 N/A	
Quality of Evidence		
6. Reliability is accurately evaluated	2 1 0 N/A	
7. Validity is accurately evaluated	2 1 0 N/A	
8. Objectivity is accurately evaluated *	2 1 0 N/A	
9. Methodology is accurately evaluated *	2 1 0 N/A	
Chain of Reasoning *		
10. Accurately identifies the link between the evidence and the claim *	2 1 0 N/A	
Types of Reasoning *		
11. Adds to the appropriate code for the chain of reasoning. *	2 1 0 N/A	
Quality of Reasoning *		
12. Strength of authority is accurately evaluated *	2 1 0 N/A	
13. Application of theory is accurately evaluated *	2 1 0 N/A	
14. Strength of logic is accurately evaluated *	2 1 0 N/A	
Counter arguments, rebuttals, new questions		
15. New questions are listed	2 1 0 N/A	
16. If the information can generate a counter claim or rebuttal it is represented **	2 1 0 N/A	

Conclusions and Reasoning		
17. There is a clear judgement about the claim	2 1 0 N/A	
18. There is a soundly reasoned explanation for the judgment made.	2 1 0 N/A	

*** This notation indicates a more challenging area that may not be appropriate at all levels or in all content areas**

**** this notation indicates something that may not be present in all information used for this routine**



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