

**Scoring the INQUIRY CONTENT of Curriculum, Instruction, Assessment ACTIVITIES
within Classrooms, Professional Development or Conference Sessions
Based on the NLIST Student Scoring Rubrics Grade Band 9 - 12**

THE STUDENT: Formulates Questions and a Hypothesis Statement				
	1	2	3	comments
That are coherent and potentially answers the question	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
That is supported by prior knowledge	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
Designs and Conducts a Scientific Investigation				
That is directly related to the hypothesis	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
With controlled and manipulated variables	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
With repeated trials that validate the results	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
Uses Appropriate Tools and Techniques to Collect and Record Data				
With tools, technology and mathematical concepts that have been selected accurately and used appropriately	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
With data collected and recorded systemically, accurately, and objectively	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
Formulates and Revises Scientific Explanations and Models				
With logic and evidence	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
With explanations /models that reflect evidence from investigation	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
Communicates and Defends a Scientific Argument				
With clear and accurate written methods that are replicable and encourage further investigation	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
With presentation that is focused and organized	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
With a variety of media and data (e.g. tables, models, texts, figures)	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
With logical arguments and responses to critical comments	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	
And effectively demonstrate understanding of relationships between the investigation and accurate science	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Unable to determine	