

Assessment Rubric 3: Inquiry Investigation

CRITERIA	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
Initiating (Questioning and Hypothesizing)	<ul style="list-style-type: none"> Asks few questions about the task; questions are vague and unfocused 	<ul style="list-style-type: none"> Asks simple questions which somewhat focus the investigation 	<ul style="list-style-type: none"> Asks questions which clarify the task and focus the investigation 	<ul style="list-style-type: none"> Asks relevant, clear questions about the task
	<ul style="list-style-type: none"> Demonstrates limited understanding of concepts related to the task 	<ul style="list-style-type: none"> Demonstrates some understanding of concepts related to the task 	<ul style="list-style-type: none"> Demonstrates general understanding of concepts related to the task 	<ul style="list-style-type: none"> Demonstrates a solid understanding of concepts related to the task
	<ul style="list-style-type: none"> Unable to generate hypotheses 	<ul style="list-style-type: none"> Generates a questionable hypothesis 	<ul style="list-style-type: none"> Generates a valid hypothesis 	<ul style="list-style-type: none"> Generates an insightful hypothesis
Planning	<ul style="list-style-type: none"> Develops disorganized or unworkable procedures 	<ul style="list-style-type: none"> Develops a partial set of simple procedures not all of which are appropriate 	<ul style="list-style-type: none"> Develops an appropriate complete set of procedures which may lack efficiency or clarity 	<ul style="list-style-type: none"> Develops procedures that are appropriately efficient and complete
	<ul style="list-style-type: none"> Identifies and controls few variables 	<ul style="list-style-type: none"> Identifies and controls some major variables 	<ul style="list-style-type: none"> Identifies and controls most major variables 	<ul style="list-style-type: none"> Identifies and controls all major variables
Conducting and Recording	<ul style="list-style-type: none"> Follows few of the prescribed procedures 	<ul style="list-style-type: none"> Follows some of the prescribed procedures 	<ul style="list-style-type: none"> Follows most of the prescribed procedures 	<ul style="list-style-type: none"> Follows all of the prescribed procedures
	<ul style="list-style-type: none"> Recordings are disorganized and contain major errors or omissions 	<ul style="list-style-type: none"> Recordings are somewhat organized and contain several major errors or omissions 	<ul style="list-style-type: none"> Recordings are organized and contain few minor errors and/or omissions 	<ul style="list-style-type: none"> Recordings or organized efficiently and effectively with practically no errors
	<ul style="list-style-type: none"> Demonstrates requires skills and strategies in a limited way 	<ul style="list-style-type: none"> Demonstrates required skills and strategies with some competence 	<ul style="list-style-type: none"> Competently demonstrates required skills and strategies 	<ul style="list-style-type: none"> Demonstrates required skills and strategies with a high degree of competence
	<ul style="list-style-type: none"> Requires constant reminders to follow safety procedures 	<ul style="list-style-type: none"> Requires some reminders to follow safety procedures 	<ul style="list-style-type: none"> Follows safety procedures with only occasional lapses 	<ul style="list-style-type: none"> Routinely follows safety procedures
	<ul style="list-style-type: none"> Uses tools, equipment and materials with limited competence 	<ul style="list-style-type: none"> Uses tools, equipment and materials with some competence 	<ul style="list-style-type: none"> Competently uses tools, equipment and materials with limited competence 	<ul style="list-style-type: none"> Uses tools, equipment and materials with a high degree of competence
	<ul style="list-style-type: none"> Makes few observations 	<ul style="list-style-type: none"> Makes observations but may be insufficient to generate data 	<ul style="list-style-type: none"> Makes sufficient observations to generate data 	<ul style="list-style-type: none"> Makes insightful observations
	<ul style="list-style-type: none"> Records little data; data is irrelevant and/or inaccurate 	<ul style="list-style-type: none"> Records data but organization is lacking; some inaccuracies 	<ul style="list-style-type: none"> Records most relevant data in an organized way; adequate in detail and generally accurate 	<ul style="list-style-type: none"> Records all relevant data in an organized and skillful way; accurately
	<ul style="list-style-type: none"> Does not modify plan 	<ul style="list-style-type: none"> Requires prompting to modify plan 	<ul style="list-style-type: none"> Modifies plan as necessary 	<ul style="list-style-type: none"> Modifies the plan in insightful ways; justifies modifications