

Rubric for Evaluating Inquiry Lesson Plans

	3	2	1	Points earned
Conceptual Theme	The lesson plan connects the components of the lesson in such a way that the concepts to be taught are easily apparent	The lesson plan connects the components of the lesson in such a way that the concepts to be taught are somewhat apparent	The lesson plan does not connect the components of the lesson. The concepts to be taught are not apparent.	
Specific Content	The lesson plan lists the standards based content knowledge that students will acquire at the end of the lesson.		The lesson plan does not list the standards based content knowledge that students will acquire at the end of the lesson,	
Resource Materials	The lesson plan uses all relevant and hands-on resource materials	The lesson plan uses some relevant and hands-on resource materials	The lesson plan does not use any relevant and hands-on resource materials	
Organization	The lesson plan contains all *5 elements of inquiry lessons.	The lesson plan contains 3 or 4 of the elements of inquiry lessons	The lesson plan contains 2 or less of the elements of inquiry lessons	
Engagement component	The lesson plan uses thought-provoking examples of everyday phenomena so that students connect with what they already know or so that students are motivated to correct misunderstandings in their knowledge base.		The lesson plan does not use thought-provoking examples of everyday phenomena so that students connect with what they already know or so that students are motivated to correct misunderstandings in their knowledge base.	
Exploration component	The lesson plan causes students to explore ideas through all of the following: <ul style="list-style-type: none"> • hands-on experiences • forming and testing hypotheses • explaining their observations • gathering and recording 	The lesson plan causes students to explore ideas through some of the following: <ul style="list-style-type: none"> • hands-on experiences • forming and testing hypotheses • explaining their observations • gathering and recording 	The lesson plan causes students to explore ideas through none of the following: <ul style="list-style-type: none"> • hands-on experiences • forming and testing hypotheses • explaining their observations • gathering and recording 	

	data <ul style="list-style-type: none"> conducting research 	data <ul style="list-style-type: none"> conducting research 	data <ul style="list-style-type: none"> conducting research 	
Explanation component	The lesson plan allows students to work collaboratively to do all of the following: <ul style="list-style-type: none"> analyze data interpret findings defend findings 	The lesson plan allows students to work collaboratively to do some of the following: <ul style="list-style-type: none"> analyze data interpret findings defend findings 	The lesson plan allows students to work collaboratively to do none of the following: <ul style="list-style-type: none"> analyze data interpret findings defend findings 	
Elaborate component	The lesson plan allows students to do all of the following: <ul style="list-style-type: none"> propose alternative solutions propose revisions to experiments apply new knowledge to a novel but related situation 	The lesson plan allows students to do some of the following: <ul style="list-style-type: none"> propose alternative solutions propose revisions to experiments apply new knowledge to a novel but related situation 	The lesson plan allows students to do none of the following: <ul style="list-style-type: none"> propose alternative solutions propose revisions to experiments apply new knowledge to a novel but related situation 	
Evaluate component	All of the following are characteristics of the summative assessment. <ul style="list-style-type: none"> product and/or performance based related to the overall unit problem clearly shows the connection between what is being learned and what is being produced. 	Some of the following are characteristics of the summative assessment. <ul style="list-style-type: none"> product and/or performance based related to the overall unit problem clearly shows the connection between what is being learned and what is being produced. 	None of the following are characteristics of the summative assessment. <ul style="list-style-type: none"> product and/or performance based related to the overall unit problem clearly shows the connection between what is being learned and what is being produced. 	
Formative assessment	Teacher uses many forms of formative assessment to determine student misconceptions/understandings of content		Teacher uses very few forms of formative assessment to determine student misconceptions/understandings of content	

Learning strategy	Students work collaboratively and actively in all aspects of the lesson plan	Students work collaboratively and actively in some aspects of the lesson plan	Students work collaboratively and actively in none of the aspects of the lesson plan	
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Thought Provoking Examples of Everyday Phenomena – could be discrepant events

5E's: Engage
Explore
Explain
Elaborate
Evaluate