

NECAP Science Support Materials
Inquiry Task Templates

NECAP Planning Guide for Investigations (Session 3)							
Item #	General Description	Inquiry Construct OR Content	Broad Area of Inquiry OR Content	Item type	Grade Level		
1	Introduction Prompt with Content Question	Content: Background Knowledge – facts, definitions, concepts	Content: Link to EK Statement, INQ target or another content-related target	SA	4	8	-
2	State prediction or question (gr 4)/ Hypothesis, prediction, or question (gr 8) w/explanation	1. Analyze information for the purpose of formulating a question, prediction or hypothesis	Inquiry: Formulating Questions and Hypothesizing	SA	4	8	-
3	Provide reasoning for tools, materials procedures, scale	6. Provide reasoning for appropriateness of materials, tools, procedures, and scale used in the investigation	Inquiry: Planning/Critiquing Investigations	SA	4	8	-
4	Collect and Display Data Procedures & set-up are provided (Template provided for graph or chart – grade 4)	7. Follow procedures for collecting and recording qualitative and quantitative data, using equipment and measurement devices accurately 8. Use accepted methods for organizing, representing, and manipulating data	Inquiry: Conducting Investigations	3-CR	4	8	-
5	Summarize Results (no analysis)	10. Summarize results based on data	Inquiry: Conducting Investigations	SA	4	8	-
6a	Determine connections btw prediction & data, with evidence to justify explanation /conclusions	12. Use evidence to support and justify interpretations and conclusions or explain how the evidence refutes the hypothesis	Inquiry: Developing and Evaluating Explanations	3-CR	4	-	-
6b	Analyze data for relevance; Determine connections btw prediction & data, with evidence to justify conclusions	11. Analyze data, including determining if data are relevant, artifact, irrelevant, or anomalous 12. Use evidence to support and justify interpretations and conclusions or explain how the evidence refutes the hypothesis	Inquiry: Developing and Evaluating Explanations	3-CR	-	8	-
7a	New question that could be investigated; Apply to related concept within EK Statement	13. Communicate how scientific knowledge applies to explain results, propose further investigations	Inquiry: Developing and Evaluating Explanations with Content: Link target concepts to EK statement	3-CR <small>(scoring note – 2 points for inquiry and 1 point for content)</small>	4	-	-
7b	Propose new investigation; Apply to related concept within EK Statement	13. Communicate how scientific knowledge applies to explain results, propose further investigations, or construct and analyze alternative explanations	Inquiry: Developing and Evaluating Explanations with Content: Link target concepts to EK statement	3-CR <small>(scoring note – 2 points for inquiry and 1 point for content)</small>	-	8	-

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	Total Points Possible			17			
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