TSI Inquiry Phases

Instruction

Interpretation

Evaluate **Results**: researchers draw conclusions about the workability or success of testing

Evaluate **Conclusions**: community evaluates the conclusions of the research, discussion of alternative explanations and addition info

Investigation

Carry Out a Test (experiment) according to design in the invention phase

Carry Out an **Analysis** according to the design in the invention phase

Initiation

Originate Interest that results in a problematic focus

Develop a Focus for Inquiry: a **question**, problem, or need

Invention

Create a Testable Resolution (*hypothesis*) of the question, problem, or need

Create a **Test Design** (**experimental method**) or way to determine the workability or the degree of success of the resolution.

Communicate concepts, methods, and connections within student community as well as to the larger public for both validation and sharing of knowledge.

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TSI Inquiry Phases	Instru Did you		
	Interpretation	Initiation	
	What if?	Why?	
	Consensus	Hook	
	Connections	Connection to place	
/	Analysis	Relevance	
	Evaluation	Discrepant event	
	Investigation	Invention	
	How?	What?	
	Recording	Ideas	
\backslash	Manipulation	Connection to prior knowledge	
\backslash	Observation	Hypothesis	
	Repetition	Methodology	
	Discussing, listeni	ing, writing, reading	Exploring Our Fluid Earth, a product of the Curriculun Research & Development Group (CRDG), College of Education. University of Hawai'i, 2012. This documer may be freely reproduced and distributed for non-prof educational purposes.

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