Pleasant Valley Community School District SEVENTH GRADE SCIENCE - GRADE LEVEL INDICATORS

Interval Benchmark 1	: Uses scientific reas	oning to answer quest	ions or solve problems	S.
Grade Level Benchmark	Vocabulary	Information	Skills	Classroom Resources
a: Recognizes a problem or asks a question.	hypothesis, purpose	Understands the elements and steps of the scientific method	Reads a lab to determine what question is being asked.	Volumania, Marble lab, Drops on Penny, CSI Lab, Atomic Mass of Vegium
b: Considers many different explanations.	objective, subjective	Understands the components of a lab. Understands and follows a lab discussion.	Explains lab results. Offers rationale for poor results.	Classroom labs
c: Evaluates a solution.	accuracy, reliability, validity	Understands a "reasonable" solution.	Determines solution. Analyzes lab results. Explains given error.	CSI lab
d: Communicates findings.	conclusion, publish	Understands a lab write- up.	Completes a lab "write- up" including all steps of the scientific method.	Atomic mass of Vegium
e: Understands that science is subject to change.	development, theory, technology, status quo	Understands atomic theory. Understands genesis of Atomic Theory.	Describes scientific change process. Given a scenario, define why change must occur.	History of Atomic Theory, Chapter 11 in text
Interval Benchmark 2	: Analyzes scientific	procedures and invest	igations.	
Grade Level Benchmark	Vocabulary	Information	Skills	Classroom Resources
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a: Identifies purpose or hypothesis of an investigation.	purpose, hypothesis	Understands the steps of the scientific method.	States the purpose. Given a specific lab is able to identify the	CSI lab, Sponge Creature lab
a: Identifies purpose or hypothesis of an	purpose, hypothesis	Understands the steps of the scientific	States the purpose. Given a specific lab is able to identify the purpose. Given a lab, identifies the control. Given a lab, identifies the variable.	
a: Identifies purpose or hypothesis of an investigation. b: Recognizes control in	purpose, hypothesis	Understands the steps of the scientific method. Understands the purpose of a control in an experiment. Understands the purpose of a variable in	States the purpose. Given a specific lab is able to identify the purpose. Given a lab, identifies the control. Given a lab, identifies the variable.	CSI lab, Sponge Creature lab