

**Pleasant Valley Community School District  
THIRD GRADE SCIENCE - GRADE LEVEL INDICATORS**

<b>Standard 1: Understands and applies the principles of scientific inquiry.</b>				
<b>Interval Benchmark 1: Uses scientific reasoning to answer questions or solve problems.</b>				
<b>Grade Level Benchmark</b>	<b>Vocabulary</b>	<b>Information</b>	<b>Skills</b>	<b>Classroom Resources</b>
a. Recognizes a problem or asks a question.	problem, observation, scientific question	Understands science is based on questioning through observations.	Formulates and verbalizes a question based on observation.	Pg. 5 Question Worksheet
b. Considers many different explanations.	solution, prediction, hypothesis	Understands scientists have different explanations for the same set of observations.	Compares their own observation with those of others.	Pg. Drops on a Penny
c. Tests and re-tests the validity of the most promising solution.	trial, procedure, substance, investigation, evidence, data, materials, equipment, results	Understands repeated testing is necessary for accurate results.	Conducts tests accurately.	Pg. Candy Lab Raft Rally
<b>Interval Benchmark 2: Analyzes scientific procedures and investigations.</b>				
<b>Grade Level Benchmark</b>	<b>Vocabulary</b>	<b>Information</b>	<b>Skills</b>	<b>Classroom Resources</b>
a. Recognizes the control in an experiment.	controlled variable	Understands variables need to stay the same throughout an experiment. Understands only one variable should be changed at a time.	Identifies that comparisons might not be fair because some conditions are not kept the same.	Swingers Lab
b. Identifies variables in an experiment.	variable	Understands variables affect the outcome of the investigations. Understands variables can be changed.	Utilize and change variables in an experiment.	Helicopter Lab
c. Evaluates solution through collaboration and confirmation of others.	analyze, pattern, trend, accuracy	Understands evaluation of scientific data. Understands sharing information and solutions is essential to the scientific process.	Offers reasons for their findings and consider reasons suggested by others.	OJ Lab