Student Performance by Question
Core 1 / S-14

Grade 5 Science (Multiple-Choice ONLY)

Teacher: _____

Analysis of Performance by Question of each student targeted for Remediation or Intervention
Enter a "1" in each box to indicate a missed question.

	Scientific Investigation										Force, Motion, Energy, and Matter										Life Processes and Living Syste						
Student Name	Differentiate among observations, conclusions, inferences, and predictions.	Make predictions about Earth, the moon, and the sun using patterns in data.	Use tools to make accurate metric measurements.	Select the appropriate metric unit for measuring tasks.	Use tools to make accurate metric measurements.	Analyze the variables and constants in an investigation.	Classify data as quantitative or qualitative.	Evaluate the limitations of a scientific model and make suggestions for improvement.	Display results of a simple investgation using graphs.	Classify rocks, minerals, or organisms using a classification key.	Predict changes in a object's motion.	Differentiate the properties of different wave types.	Classify substances as elements or compounds.	Analyze the behavior of static electricity in the environment.	Classify combinations of substances as mixtures or solutions.	Analyze the relationship between pitch and a vibrating object.	Construct a simple electromagnet.	Determine the effect of friction on moving objects.	Explain the relationships between wavelength and the color of light.	Describe the types of energies that are transformed by various appliances or machines.	Classify organisms in a community according to niche.	Explain the reproductive processes of a flower using a model/diagram.	Describe the essential structures and functions of cells.	Explain the function of plant parts.	Describe the flow of energy through a food web.	Explain the purpose of adaptations in common plants.	Analyze processes involved in photosyntheses.

ms			Earth/Space Systems and Cycles										
Classify animals as vertebrates or invertebrates based on body structure.	Describe the impact of human activity on ecosystems.	Distinguish between structural and behavioral adaptations.	Explain the effects of the rotation of Earth in the Earth-moon-sun system.	Predict the effects of tectonic plate movement in Earth's crust.	Describe the impact of human activity on Earth's surfaces.	Describe the variation in depths associated with ocean features.	Compare and contrast the processes involved in the rock cycle.	Sequence the planets of the solar system in relationship to the sun.	Explain the effects of the moon's gravitational pull on Earth.	Interpret a model of a basic food web in an ecosystem.	Determine the appropriate tools to measure weather conditions.	Recognize the importance of Virginia's mineral resources.	Total
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Student Performance by Question
Core 2 / S-23

Grade 5 Science (Multiple-Choice ONLY)

Teacher:

Analysis of Performance by Question of each student targeted for Remediation or Intervention
Enter a "1" in each box to indicate a missed question.

	Scientific Investigation										Force, Motion, Energy, and Matter										Life Processes and Living Systems							
Student Name	Identify instruments required to conduct an investigation.	Analyze the variables and constants in an investigation.	Differentiate among observations, conclusions, inferences, and predictions.	Classify organisms on the basis of their characteristics.	Use tools to make accurate metric measurements.	Use data to make inferences and draw conclusions.	Make a prediction based on a line graph.	Analyze the variables and constants in an investigation.	Display results of a simple investigation using graphs.	Classify rocks, minerals, or organisms using a classification key.	Identify properties of solids and liquids.	Identify common compounds.	Apply an understanding of reflection and refraction.	Explain the relationships between wavelength and the color of light.	Analyze the behavior of static electricity in the environment.	Classify materials as conductors or insulators of electricity.	Explain the relationship between temperature and state of matter.	Classify combinations of substances as mixtures or solutions.	Determine the effect of friction on moving objects.	Describe the types of energies that are transformed by various appliances or machines.	Select behavioral adaptations.	Explain the reproductive processes of a flower using a model/diagram.	Recognize cellular structures in plants and animals.	Analyze processes involved in photosynthesis.	Explain the function of plant parts.	Identify a nonvascular plant.	Evaluate the importance of native plants and animals in Virginia.	Describe the impact of human activity on ecosystems.
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		Earth/Space Systems and Cycles										
Recognize an organism's relationship to its environment.	Identify the role of producers in an ecosystem.	Predict the effects of tectonic plate movement in Earth's crust.	Construct models to demonstrate erosion of Earth's surfaces.	Draw an inference from geological evidence.	Identify Virginia's energy sources.	Explain the importance of different natural resources in Virginia.	Identify characteristics of watersheds.	Compare and contrast the processes involved in the rock cycle.	Interpret a model of a basic food web in an ecosystem.	Identify characteristics of the ocean floor.	Determine the appropriate tools to measure weather conditions.	Total
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