



Science Grade 5					
Physical Science: Properties and Changes of Materials (MC)					
Outcome		1 – Little Evidence With help, I understand parts of the simpler ideas and do a few of the simpler skills.	2 – Partial Evidence I understand the simpler ideas and can do the simpler skills. I am working on the more complex ideas and skills.	3 – Sufficient Evidence I understand the more complex ideas and can master the complex skills that are taught in class. I achieve the outcome.	4- Extensive Evidence I have a deep understanding of the complex ideas, and I can use the skills I have learned in situations that were not taught in class.
MC5.1 I can investigate the characteristics and physical properties of materials in solid, liquid, and gaseous states of matter.	Characteristics	<ul style="list-style-type: none"> With help, I can carry out simple processes with reasonable accuracy to determine a few characteristics of materials in solids, liquids OR gaseous states of matter. 	<ul style="list-style-type: none"> I can carry out simple processes with reasonable accuracy to determine a few characteristics of materials in solids, liquids OR gaseous states of matter. 	<ul style="list-style-type: none"> I can carry out processes accurately to determine the characteristics of materials in solids, liquids AND gaseous states of matter. 	<ul style="list-style-type: none"> I can design and carry out an accurate investigation to determine the characteristics of materials in solids, liquids AND gaseous states of matter.
	Properties	<ul style="list-style-type: none"> With help, I can carry out simple processes with reasonable accuracy to determine a few physical properties of materials in solids, liquids OR gaseous states of matter. 	<ul style="list-style-type: none"> I can carry out simple processes with reasonable accuracy to determine a few physical properties of materials in solids, liquids OR gaseous states of matter. 	<ul style="list-style-type: none"> I can carry out processes accurately to determine the physical properties of materials in solids, liquids AND gaseous states of matter. 	<ul style="list-style-type: none"> I can design and carry out an accurate investigation to determine the physical properties of materials in solids, liquids AND gaseous states of matter.
Comments					



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Outcome	1 – Little Evidence With help, I understand parts of the simpler ideas and do a few of the simpler skills.	2 – Partial Evidence I understand the simpler ideas and can do the simpler skills. I am working on the more complex ideas and skills.	3 – Sufficient Evidence I understand the more complex ideas and can master the complex skills that are taught in class. I achieve the outcome.	4- Extensive Evidence I have a deep understanding of the complex ideas, and I can use the skills I have learned in situations that were not taught in class.
MC5.2 Investigate how reversible and non-reversible changes, including changes of state, alter materials.	• I can carry out simple processes to develop conclusions about the effects of change on properties and characteristics of materials, with help.	• I can carry out simple processes with some accuracy to develop conclusions about the effects of change on properties and characteristics of materials.	• I can carry out processes accurately to develop conclusions about the effects of change on properties and characteristics of materials.	• I can design and carry out an accurate investigation to develop conclusions about the effects of change on properties and characteristics of materials.
	• With help, I can identify some reversible and non-reversible changes and some effects on materials.	• I can identify some reversible and non-reversible changes and some effects on materials.	• I can explain reversible and non-reversible changes and their effects on materials.	• I can compare reversible and non-reversible changes on a variety of materials, and draw conclusions.
Comments				



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MC5.3 Assess how the production, use, and disposal of raw materials and manufactured products affect self, society, and the environment. [DM, SI]	Production	• With help , I can explain with examples and details how the production of raw materials AND manufactured products affects me, society, OR the environment.	• I can explain with examples and details how the production of raw materials AND manufactured products affects me, society, AND the environment.	• I can explain the benefits and challenges of the effects of the production of raw materials AND manufactured products on me, society, AND the environment, with examples and details.	• I can compare the benefits and challenges of the effects of a specific method of production of raw materials AND manufactured products on me, society, AND the environment, with examples and details.
	Use	• With help , I can explain with examples and details how the use of raw materials AND manufactured products affects me, society, OR the environment.	• I can explain with examples and details how the use of raw materials AND manufactured products affects me, society, AND the environment.	• I can explain the benefits and challenges of the use of raw materials AND manufactured products on me, society, AND the environment, with examples and details.	• I can explain the benefits and challenges of a specific use of raw materials AND manufactured products on me, society, AND the environment, with examples and details.
	Disposal	• With help , I can explain with examples and details how the disposal of raw materials AND manufactured products affects me, society, OR the environment.	• I can explain with examples and details how the disposal of raw materials AND manufactured products affects me, society, AND the environment.	• I can explain the benefits and challenges of the disposal of raw materials AND manufactured products on me, society, AND the environment, with examples and details.	• I can explain the benefits and challenges of a specific method of disposal of raw materials AND manufactured products on me, society, AND the environment, with examples and details.
Comments					

