Science Assessment Grid : Properties and Changes of Materials : Year 5



Properties and Changes of Materials							
Group: Year: Term:							
Science							
Lesson 1	Do children understand the terms 'dissolve', 'soluble', 'insoluble' and 'solution'?						
	Can children make and explain their predictions about soluble and insoluble materials?						
	Can children conduct a fair test involving soluble and insoluble materials?						
Lesson 2	Do children know what the terms soluble and insoluble mean?						
	Do children know that evaporation can be used to separate soluble materials from water?						
	Do children know that filtering can be used to separate insoluble materials from water?						
Lesson 3	Do children know that when some materials are mixed together they cannot be separated again?						
	Do children know that when an irreversible change takes place a new substance is produced?						
	Do children know how to tell if the new substance produced is a gas?						
Lesson 4	Do children know that heating and cooling materials can cause them to change?						
	Can children recognise reversible and irreversible changes caused by heating and cooling?						
	Can children explain how to reverse a change caused by heating or cooling?						
Lesson 5	Do children know that new materials are formed when materials are burned?						
	Can children describe what happens when a candle burns?						
	Can children identify and assess hazards associated with burning materials?						
Lesson 6	Can children describe everyday materials according to their properties?						
	Can children compare and group everyday materials according to their properties?						
	Can children explain why some everyday materials are useful due to their properties?						
Lesson 7	Can children list and explain some of the different properties that materials can have?						
	Do children understand that the properties materials have can affect how they are used/what they are used for?						
	Can children explain why a certain material has been chosen for a specific purpose, based on its properties?						

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