

# Earth and Space

	Level D	Presentation	Level E	Presentation	Level F	Presentation
Earth in Space	<ul style="list-style-type: none"> <li>relate the movement of planets around the Sun to gravitational forces</li> </ul>	The Solar System and Beyond	<ul style="list-style-type: none"> <li>explain day, month and year in terms of the relative motion of the Sun, the Earth and the Moon</li> </ul>	The Solar System and Beyond	<ul style="list-style-type: none"> <li>describe some of the ideas used to explain the origin and evolution of the Universe</li> </ul>	The Evolution of the Universe
	<ul style="list-style-type: none"> <li>give some examples of the approaches taken to space exploration</li> </ul>	The Solar System and Beyond	<ul style="list-style-type: none"> <li>describe the universe in terms of stars, galaxies and black holes</li> </ul>	The Evolution of the Universe		
Materials from Earth	<ul style="list-style-type: none"> <li>describe the internal structure of the Earth</li> </ul>		<ul style="list-style-type: none"> <li>describe the particulate nature of solids, liquids and gases and use this to explain their known properties</li> </ul>	Solids, Liquids and Gases	<ul style="list-style-type: none"> <li>describe some features of the structure of the atom</li> </ul>	Atoms
	<ul style="list-style-type: none"> <li>describe the processes that led to the formation of the three main types of rock</li> </ul>					
	<ul style="list-style-type: none"> <li>give examples of useful materials that we obtain from the Earth's crust</li> </ul>	Extracting Metals	<ul style="list-style-type: none"> <li>describe what is meant by an element</li> </ul>	Atoms Classifying Elements	<ul style="list-style-type: none"> <li>describe some of the characteristic features of the periodic table</li> </ul>	Classifying Elements
	<ul style="list-style-type: none"> <li>describe how soils are formed</li> </ul>		<ul style="list-style-type: none"> <li>describe how physical properties of elements are used to classify them as metals or non-metals</li> </ul>	Classifying Elements	<ul style="list-style-type: none"> <li>explain the water cycle using the particulate model</li> </ul>	
	<ul style="list-style-type: none"> <li>name the gases of the atmosphere and describe some of their uses</li> </ul>					

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Changing Materials	<ul style="list-style-type: none"> <li>describe what happens when materials are burned</li> </ul>	Chemical Reactions	<ul style="list-style-type: none"> <li>give examples of simple chemical reactions, explaining them in terms of elements and compounds</li> </ul>	Chemical Reactions	<ul style="list-style-type: none"> <li>give examples of the ways in which the rates of chemical reactions can be changed</li> </ul>	Reaction Rates
			<ul style="list-style-type: none"> <li>describe the effect of temperature on solubility</li> </ul>	The Reactions of Metals		
	<ul style="list-style-type: none"> <li>explain how evaporation and filtration can be used in the separation of solids from liquids</li> </ul>	Solubility	<ul style="list-style-type: none"> <li>describe the use of pH to measure acidity</li> </ul>	pH and Neutralization	<ul style="list-style-type: none"> <li>distinguish between chemical and physical changes</li> </ul>	Chemical Reactions
			<ul style="list-style-type: none"> <li>describe the process of neutralization and give some everyday applications</li> </ul>	pH and Neutralization		
	<ul style="list-style-type: none"> <li>describe the effect of burning fossil fuels</li> </ul>		<ul style="list-style-type: none"> <li>describe what happens when metals react with oxygen, water and acids</li> </ul>	The Reactions of Metals	<ul style="list-style-type: none"> <li>give examples of chemical reactions using word equations</li> </ul>	Chemical Reactions
			<ul style="list-style-type: none"> <li>describe how metal elements can be extracted from compounds in the Earth's crust</li> </ul>	Extracting Metals		