

5. Natural Sciences

Content Map Grade 7 – 9 [Downloaded from Stanmorephysics.com](http://Stanmorephysics.com)

Matter and Materials

		Subject: Natural Sciences		Grades: 7 – 9	
Revised Content Map per Phase					
Key Topic	Grade	Key Topic	Grade	Key Topic	Grade
• Properties of Materials	7	• Atoms	8	• Compounds	9
• Separating Mixtures	7	• Particle model of matter	8	• Chemical reactions	9
• Acids, bases and neutrals	7	• Particle model of matter	8	• Reactions of metals with oxygen • Reactions of non-metals with oxygen • Acids & bases and pH value • Reactions of acids with bases: Part I	9
• Introduction to the Periodic table of Elements	7	• Atoms	8	• Compounds	9

Energy and Change

		Subject: Natural Sciences		Grades: 7 – 9	
Revised Content Map per Phase					
Key Topic	Grade	Key Topic	Grade	Key Topic	Grade
• Sources of Energy	7	• Series and parallel circuits	8	• Electric cells as energy systems • Series and parallel circuits • Forces	9
• Potential & Kinetic energy	7	• Series and parallel circuits • Static electricity	8	• Electric cells as energy systems • Series and parallel circuits • Forces	9
• Heat Transfer	7	• Visible light	8		9
• Insulation & energy saving	7	• Series and parallel circuits	8	• Resistance • Series and parallel circuits • Cost of electrical power • Safety with electricity • Energy and the national electricity grid	9
• Energy transfer to surroundings	7	• Energy transfer in electrical systems • Series and parallel circuits	8	• Series and parallel circuits • Safety with electricity	9

Planet Earth and Beyond

		Subject: Natural Sciences		Grades: 7 – 9	
Revised Content Map per Phase					
Key Topic	Grade	Key Topic	Grade	Key Topic	Grade
• Relationship of the sun to the earth	7	-	8	-	9
• Relationship of the moon to the earth	7	-	8	-	9
• Historical development of astronomy	7	-	8	-	9