



THE WELLS ACADEMY

Science

Year	Fi1 Matter	Fi2 Energy	Fi3 Organisms	Fi4 Earth and Space	Fi5 Forces and Motion	Fi6 Genetics and Evolution	Fi7 Reactions	Fi8 Organisms and our environment	Fi9 Waves	Fi10 Electricity and Magnetism
7	<ul style="list-style-type: none"> • Particles • Elements, compounds and mixtures 	<ul style="list-style-type: none"> • What is energy? 	<ul style="list-style-type: none"> • Cells 	<ul style="list-style-type: none"> • Our planet and its place in the solar system 	<ul style="list-style-type: none"> • Pushing and Pulling 	<ul style="list-style-type: none"> • Reproduction 	<ul style="list-style-type: none"> • Metal reactions • Acids and alkalis 		<ul style="list-style-type: none"> • Wave properties and sound 	<ul style="list-style-type: none"> • Electricity • Magnetism
8	<ul style="list-style-type: none"> • Separating mixtures 	<ul style="list-style-type: none"> • Heating and cooling 	<ul style="list-style-type: none"> • Fit and healthy • Nutrition and digestion 	<ul style="list-style-type: none"> • Rocks and the rock cycle 	<ul style="list-style-type: none"> • Introduction to forces and motion 	<ul style="list-style-type: none"> • Variation 		<ul style="list-style-type: none"> • Introduction to ecology 	<ul style="list-style-type: none"> • Light and wave effects 	
9	<ul style="list-style-type: none"> • The periodic table • Atomic structure 	<ul style="list-style-type: none"> • Conservation and dissipation of energy 	<ul style="list-style-type: none"> • Cell biology 	<ul style="list-style-type: none"> • Earth materials 			<ul style="list-style-type: none"> • Rates and energetics 	<ul style="list-style-type: none"> • Ecological relationships 		
10	<ul style="list-style-type: none"> • Structure and bonding • The Particle model • Atomic structure 	<ul style="list-style-type: none"> • Energy transfer by heating • Energy changes 	<ul style="list-style-type: none"> • Organisation • Infection and response • Bioenergetics • Homeostasis 		<ul style="list-style-type: none"> • Forces and motion 		<ul style="list-style-type: none"> • Quantitative chemistry • Chemical changes 			<ul style="list-style-type: none"> • Electricity
11	<ul style="list-style-type: none"> • Organic chemistry structures 		<ul style="list-style-type: none"> • Homeostasis and response 	<ul style="list-style-type: none"> • Chemistry of the atmosphere • Earth's resources • Space physics* 		<ul style="list-style-type: none"> • Inheritance and variation 	<ul style="list-style-type: none"> • Rates of reaction • Organic chemistry • Chemical changes 	<ul style="list-style-type: none"> • Ecology 	<ul style="list-style-type: none"> • Waves 	<ul style="list-style-type: none"> • Magnetism and electromagnets