



# Bellerive FCJ Catholic College




Department: Science

Year Group: 7

Term	Learning Focus	Key Knowledge and Skills	Assessment	Challenge and Enrichment
1	<p>Introduction to science</p> <p>Particles and behaviour</p> <p>Energy Transfers</p>	<p>Safety rules Lab equipment and chemical hazard The Bunsen Burner Safe Heating Using a thermometer Investigating the temperature of a Bunsen flame Asking scientific questions Planning investigations Recording Data Presenting data Analysing data</p> <p>Comparing properties of solids, liquids and gases. Particle diagrams Density Explaining changes of state 1 Explaining changes of state 2 Physical changes</p> <p>Energy Stores Energy Pathways Conservation of energy Energy transfer by force Energy in simple machines</p>	<p>KS3 end of unit and End of year assessment.</p> <p>KS3 end of unit and End of year assessment.</p> <p>KS3 end of unit and End of year assessment.</p>	<p>KS3 padlet <a href="https://padlet.com/herseyd3/ks3-revision-6geryfp6snzekiyq">https://padlet.com/herseyd3/ks3-revision-6geryfp6snzekiyq</a></p> 
2	<p>Elements and Compounds</p>	<p>Elements Atoms Compounds Chemical formulae Assessment and feedback</p>	<p>KS3 end of unit and End of year assessment.</p>	<p>KS3 padlet</p>

	Body Systems	Levels of Organisation 1 Levels of Organisation 2 Gas exchange Breathing Skeleton Movement: Joints Movement: Muscles Assessment and feedback	KS3 end of unit and End of year assessment.	<a href="https://padlet.com/herseyd3/ks3-revision-6geryfp6snzekiyg">https://padlet.com/herseyd3/ks3-revision-6geryfp6snzekiyg</a> 
	Reproduction	Adolescence Reproductive systems Fertilisation and implantation Development of the foetus The menstrual cycle Flowers and pollination Fertilisation and germination Seed dispersal Assessment and feedback	KS3 end of unit and End of year assessment.	
	Motion	Forces at a distance Mass a weight Balanced and unbalanced forces Speed Motion graphs Assessment and feedback	KS3 end of unit and End of year assessment.	
	Acids and Alkalis	Acids and alkalis Making an indicator pH Scale and universal indicator Neutralisation Making salts Neutralisation investigation Assessment and feedback	KS3 end of unit and End of year assessment.	

3	<p>Sound</p> <p>Biological Processes</p> <p>Energy Costs</p> <p>Space</p>	<p>Properties of waves Sound waves Loudness and pitch Detecting sound Hearing range and ultrasound Echoes</p> <p>Photosynthesis Leaves Plant minerals Aerobic respiration Anaerobic respiration</p> <p>Food and fuels Non-renewable energy resources Renewable energy resources Generating electricity Energy and power Cost of using appliances</p> <p>The night sky The solar system The Earth The moon Food and fuels</p>	<p>KS3 end of unit and End of year assessment.</p> <p>KS3 end of unit and End of year assessment.</p> <p>KS3 end of unit and End of year assessment.</p> <p>KS3 end of unit and End of year assessment.</p>	<p>KS3 padlet <a href="https://padlet.com/herseyd3/ks3-revision-6geryfp6snzekiyq">https://padlet.com/herseyd3/ks3-revision-6geryfp6snzekiyq</a></p> 
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