




St Richard Reynolds Catholic High School

<p>SUBJECT: SCIENCE YEAR GROUP: 7</p> <p>TOPICS COVERED</p> <p>Working Scientifically: Being a Scientist</p> <p>Biology: Cells and Organisation, Reproduction, Respiration</p> <p>Chemistry: Particle model, Separation Techniques, Acids and Alkalis</p> <p>Physics: Forces, Pressure, The Solar System</p>	
<p style="text-align: center;">PROGRAMME OF STUDY</p>	<p style="text-align: center;">METHOD OF ASSESSMENT</p>
<p>Autumn Term</p> <p>Being a scientist: Safety in a science lab, Hazard symbols, Scientific diagrams, Experiments and variables, Reliability, Accuracy, Graph skills</p> <p>Cells: The microscope, Plant and animal cells, Specialised animal and plant cells, Unicellular and multicellular organisms, Diffusion, Skeletal system, Muscles and antagonistic pairs.</p> <p>Particle model: States of Matter, Gas pressure, Solubility, Filtration, Distillation, Chromatography</p> <p>Forces: Forces, Hooke's Law, Contact and non-contact forces, Balanced and unbalanced forces, Speed, Motion graphs, Gravity</p>	<p>Practical assessment</p> <p>End of topic test after each unit</p> <p>Assessed tasks/models/projects</p>

Member of Staff responsible: G. Musgrave

<p>Spring Term</p> <p>Reproduction: Adolescence, Reproductive systems, the Menstrual Cycle, Fertilisation, Development of a Foetus</p> <p>Acids and alkalis: Chemical Reactions, Word equations, Acids and Alkalis, Indicators and pH, Neutralisation, Making Salts</p> <p>Pressure: Pressure in gases, Pressure in Liquids, Pressure on Solids</p>	<p>Practical assessment</p> <p>End of topic test after each unit</p> <p>Assessed tasks/models/projects</p>
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<p>Summer Term</p> <p>Respiration: Gas Exchange, Breathing, Aerobic Respiration, Anaerobic Respiration</p> <p>The Solar System: The Night Sky, The Solar System, Seasons, The Moon, Eclipses</p>	<p>Practical assessment</p> <p>End of topic test after each unit</p> <p>Assessed tasks/models/projects</p> <p>End of year exams</p>
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<p>Key Skills:</p> <ul style="list-style-type: none"> ➤ Experimental work ➤ Collecting data ➤ Interpreting, analysing and evaluating data ➤ Research and hypothesising ➤ Predicting and concluding ➤ Evaluating 	
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