



# SAINT JOHN WALL CATHOLIC SCHOOL

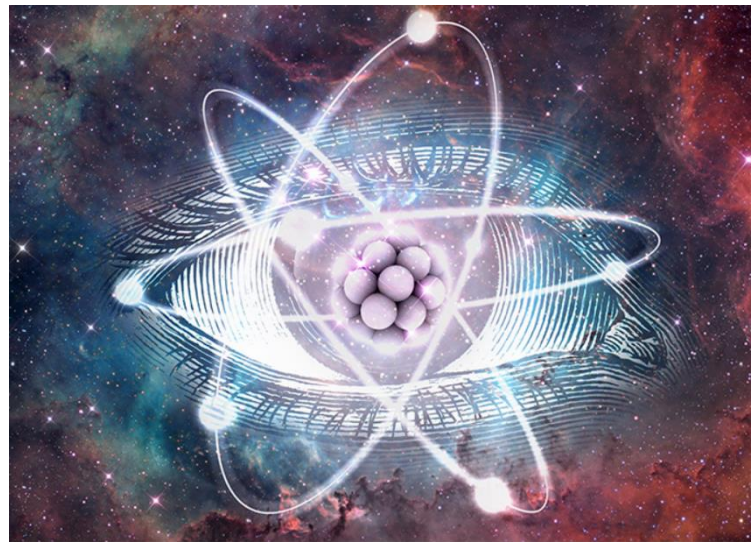
## *A Catholic School For All*



### Departmental Schemes of Work

**Curriculum Intent:** “To educate each and every unique child in our care to hear and respond to what God calls them to be”.

### KS4 Science Y9



### Year 9 Science Scheme of Work Overview

<b>Sequencing of topics</b>	Autumn term 1: Chemistry Autumn term 2: Chemistry Spring term 1: Biology	Spring term 2: Biology Summer term 1: Physics Summer term 2: Physics
<b>Calendared assessments</b>	Topic Tests are undertaken at the end of each topic within the subject. Whole school assessments; Chemistry Autumn Term 2 Biology and Physics Summer Term 2	
<b>Personal Development</b> <i>(Cross curricular, SJW Values, SMSCV, cultural capital)</i>	Cross curricular links with maths SJW values are assigned to each topic SMSCV - Throughout lessons and working together in practical work. Vocations are assigned to each topic Cultural Capital – Trips to Martineau gardens	
<b>Progression model</b>	<b>What knowledge will pupils develop? (Including key terminology)</b>	<b>What skills will pupils develop? (Including literacy &amp; Numeracy)</b>
	Pupils will develop their knowledge of Key concepts in biology and chemistry, cells and control, genetics, Natural selection and genetic modification, health, disease, development of medicines, states of matter, separating techniques, atomic structure, periodic table, ionic & covalent bonding acids and alkalis, calculations, electrolytic process, reversible reactions, motion and forces, conservation of energy, waves, light, electromagnetic spectrum, radioactivity.	Pupils will develop practical skills, working with scientific equipment and learning to work in teams. Pupils will develop literacy skills using the departmental initiative of IDEAL. Pupils will learn numeracy skills from table reading, making different types of graphs, calculations and equations. Pupils will develop an understanding of examination preparation including integrating specific scientific terminology in work.
<b>Development homework</b>	Developmental homework will reinforce concepts taught in class and also stretch pupils with independent study on concepts not taught in class. This can be interactive programmes such as Active learn, GCSEpod, Focus Learning and Senca. In addition to exam papers and exam style questions.	