

## St Thomas More RC College Curriculum Topic Overview commencing September 2020

## Year 10b Science (trilogy)

		Autumn	
Week	Week beginning	Topic	Lessons
1			
2			
3			
4	21/9/20	Cell Biology	Eukaryotic and Prokaryotic Cells
			Microscopy
5	28/9/20		Required Practical – Using the Light Microscope
			Cell Specialisation and differentiation
6	5/10/20		Mitosis and cell cycle
			Stem Cells
7	12/10/20		Diffusion
			Osmosis
8	19/10/20		Osmosis Required Practical
		Active Transport	
9	2/11/20		Cells and Movement Summary
		Structure and Bonding	Ionic Bonding
10	9/11/20		Ionic Compounds
			Properties and Models of Ionic Compounds
11	16/11/20		Covalent Bonding
			Properties of Small Molecules
12	23/11/20		Polymers
			Giant Covalent Structures
13	30/11/20		Structure and Bonding of Carbon - Diamond
			Structure and Bonding of Carbon - Graphite
14	7/12/20		Structure and Bonding of Carbon – Graphene and Fullerenes
		Metallic Bonding	
15	14/12/20	Properties of Metals and Alloys including Conduction	
			The Three States of Matter and state symbols