WSAPC Science Synergy Curriculum Map 20/21

Year: 9 - GCSE Synergy Year 1

Term 1 15 weeks	Term 2 12 weeks	Term 3 12 weeks
1.1: States of Matter (8) **1.2 Atomic structure (4)** **1.3: Cells (10)** **1.4: Waves (7)** **RPs** **1: Density of a solid and a liquid** **2: Measuring specific heat capacity** **3: Looking at cells** **4: Investigating osmosis in plant cells** **5. Measuring speed of ripples & investigating waves on a stretched string** **6: Absorption of IR radiation**	**2.5: Body systems (11)** **5.13: Periodic Table (5)** **5.14: Chemical Quantities (4)** **6.15: Forces and Energy Changes (7)** **RPs** **7: Food Tests** **8: Reaction Times** **9: Stretch Tests**	**4.10: Earth's atmosphere (12)** **7.19: Electricity (11)** **RPs** **10: Analysis and purification of water samples** **11: Investigating components** **12: Investigating resistance**

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Year: 10 - GCSE Synergy Year 2

Term 1 15 weeks	Term 2 12 weeks	Term 3 12 weeks
3.7: Lifestyle and Health (12) **2.6: Photosynthesis (10)** **7.20: Acids and Bases (5)** **7.18: Force and motion (8)** **RPs** **13: Chromatography and R values** **14: Light intensity and the rate of photosynthesis** **15. Making salts** **16: Investigating temperature changes**	**3.9: Preventing, Treating and Curing Disease (11)** **6.17: Magnetism and electromagnetism (2)** **7.21: Rate and Extent of Chemical Change (10)** **RPs** **18: Concentration and rate of reaction** **19: The effect of pH on amylase**	**4.11: Ecosystems (11)** **8.24: Resources of materials (7)** **RPs** **20: Measuring population size**

17 Investigating force and acceleration		

Year: 11 - GCSE Synergy Year 3

Term 1 14 weeks	Term 2 12 weeks	Term 3 12 weeks
6.16: Structure and Bonding (8) **7.22: Atoms and Ions (6)** **4.12 Genetics (12)** **RPs** **21: Investigating the electrolysis of a solution**	**3.8: Radiation and risk (7)** **8.23 Carbon Chemistry (5)** **RPs:** **Review of RPs**	**Revision**