 **Home Learning – Departmental Newsletter**

**Department: Science**

**Week beginning: 13th July, 2020**

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| **Year 7** | | | | | | |
| **Class** | **Teacher** | **Objective** | **Activity** | **How long should this take?** | **Resources** | **Link to road map** |
| 7N1 | *PBA* | End the year with a quick run through of the unit on Space | Read through the chapters in the Activate textbook and do some internet research | 2 x 60minutes | Kerboodle  Internet  BBC bitesize | Space topic |
| 7N2 | MOA | Learn about Acids and Alkalis at home. | Continue with the powerpoint, if possible have a go at making red cabbage indicator. | 120 mins | Classcharts powerpoint. | Acids and Alkalis |
| 7N3 | SBR | Acids and Alkalis, indicators | Make a red cabbage indicator and use it to identify acids and alkalis. | 120mins | Class charts, kerboodle, red cabbage | Acids and Alkalis |
| 7D1 | SCA | What is the moon?  What are the phases of the moon? | YouTube Clips  Kerboodle exercises | 120 mins | Kerboodle  YouTube | Space topic |
| 7D2 | ETI | Essential science lockdown summary | Checklist of topics whilst home learning.  Recall – Make flash cards on card/paper or try quizlet. | 120mins | Quizlet  Ppt  Kerboodle  Card/paper | Space, forces, and reproduction |
| 7D3 | JCO | Complete Year 7 Summer Assessment | Complete Assessment | 120 mins | Summer Assessment | Summer Test |

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| **Year 8** | | | | | | |
| **Class** | **Teacher** | **Objective** | **Activity** | **How long should this take?** | **Resources** | **Link to road map** |
| 8N1 | ETI | Essential science lockdown summary  Summer test. | Checklist of topics whilst home learning.  Summer test and self assess. | 120mins | Test, science essentials power point and excel sheet.  Kerboodle  Test | Adaptation and inheritance, Light and sound |
| 8N2 | SBR | Metals reacting with oxygen and water | Use observations to identify reactivity,  Write word and symbol equations to represent reactions | 120 mins | Class charts, kerboodle, video clips | Metals and acids |
| 8N3 | SCA | What is a sediment?  What are sedimentary rocks? | YouTube clips  Activities on Kerboodle | 120 mins | Kerboodle  YouTube | Rocks topic |
| 8D1 | JCO | Complete year 8 summer assessment.  Learn about different types of rocks | Test  Kerboodle activities  Youtube clips | 120 | Kerboodle  Youtube | Summer Assessment  Rocks topic |
| 8D2 | MOA | Describe reactions involving metals and other substances. | Complete the metals and acids task from last week.  Create an information piece on anything you’ve enjoyed working on in lockdown. | 120 mins | Classcharts | Metals and Acids |
| 8D3 | PLO | Compare the ways that igneous and metamorphic rocks form Explain how igneous and metamorphic rocks form. | YouTube clips  Activities from Kerboodle presentation  (interactive screen and complete slide 8) | 60 mins | Kerboodle  YouTube | C2 4.3 Igneous and sedimentary rocks |

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| **Year 9** | | | | | | |
| **Class** | **Teacher** | **Objective** | **Activity** | **How long should this take?** | **Resources** | **Link to road map** |
| 9N1 | SBR | Momentum | Calculations of momentum and momentum change . Applying the law of conservation of momentum to solve problems | 120 | Active learn,  Powerpoint, worksheets | Forces and Motion |
| 9N2 | DMO | What are stem cells? | Watch the video clips provided  Write key definitions  Attempt questions from the text book | 60 mins | Active Learn Biology Text Book  Access to Youtube | Big Ideas in Biology |
| 9N3 | ETI | Development of the periodic table and accessing online resources. | Watch and write a summary on the documentary on Mendeleev. Access Active learn and attempt quizzes set. | 120mins | Video,  Active learn | Periodic table |
| 9D1 | SCA | What is the nervous system for?  What is a reflex arc? | Audio PowerPoint  YouTube clips  ActiveLearn activities | 45 mins | Active Learn  YouTube  PowerPoint | Big Ideas in Biology |
| 9D2 | PLO | State how the periodic  table was developed over  time  Explain how testing a  prediction can support or  refute a new scientific  Idea. | PowerPoint project on the development of the Periodic Table to consolidate previous learning. | 90 mins | Active Learn  PowerPoint | CC4c The Periodic Table |
| 9D3 | MOA | Recall Newton’s 3 laws of motion from memory. | Use the revision materials given to learn Sir Isaac Newton’s three laws of motion off by heart. | 120 mins | Classcharts Resources  Youtube | Newton’s Laws and Forces |