 **Home Learning – Departmental Newsletter**

 **Department: Science**

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

|  |
| --- |
| **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 | KerboodleInternetBBC 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 | QuizletPptKerboodleCard/paper | Space, forces, and reproduction |
| 7D3 | JCO | Complete Year 7 Summer Assessment | Complete Assessment | 120 mins | Summer Assessment | Summer Test |

|  |
| --- |
| **Year 8** |
| **Class** | **Teacher** | **Objective** | **Activity** | **How long should this take?** | **Resources** | **Link to road map** |
| 8N1 | ETI | Essential science lockdown summarySummer test. | Checklist of topics whilst home learning.Summer test and self assess. | 120mins | Test, science essentials power point and excel sheet.KerboodleTest | 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 | TestKerboodle activitiesYoutube clips | 120 | KerboodleYoutube | Summer AssessmentRocks 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 formExplain how igneous and metamorphic rocks form. | YouTube clips Activities from Kerboodle presentation (interactive screen and complete slide 8) | 60 mins | KerboodleYouTube | C2 4.3 Igneous and sedimentary rocks |

|  |
| --- |
| **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 providedWrite key definitionsAttempt questions from the text book | 60 mins | Active Learn Biology Text BookAccess 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 periodictable was developed overtimeExplain how testing aprediction 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 ResourcesYoutube | Newton’s Laws and Forces |