Remote education

Subject:

Year Group: 9

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| Week commencing | Topic | How will the new content be delivered? | What activities need to be completed and sent to your teacher? P:\Remote Education Work\Year 9\Science |
| Monday 2nd November | Periodic table | It is really important that you are confident about atoms, elements and compounds. Watch the three videos and then complete the activities  Elements  <https://classroom.thenational.academy/lessons/elements-c4rkje>  Atoms  <https://classroom.thenational.academy/lessons/atoms-6hjked>  Compounds  <https://classroom.thenational.academy/lessons/compounds-6nj32c> | Complete the activities during the video and the 3 work sheets.  Use plasticine or modelling clay to make a model of a molecule of glucose (C6H12O6) compound. |
| Monday 9th November | Food chains and webs | Watch the video and complete the activities.  Food webs  <https://classroom.thenational.academy/lessons/food-chains-and-webs-64uk4e> | Complete the activities during the video and the 3 work sheets. |
| Monday 16th November | Photosynthesis | Watch the video and complete the activities  Photosynthesis  <https://classroom.thenational.academy/lessons/photosynthesis-64t3cc>  The Leaf Structure  <https://classroom.thenational.academy/lessons/the-leaf-6dh36d?step=2&activity=video> | Complete the activities during the video and the 3 work sheets. |
| Monday 23rd November | Respiration | Watch the video and complete the activities  Respiration  <https://classroom.thenational.academy/lessons/aerobic-respiration-crt64e>  The effect of exercise on respiration  <https://classroom.thenational.academy/lessons/the-effects-of-exercise-on-respiration-cgrk6t?activity=intro_quiz&step=1> | Complete the activities during the video and the 2 work sheets. Make sure you are carefully and safe when carrying out the experiment. |
| Monday 30th November | Particle models | Watch the videos and complete the activities  <https://classroom.thenational.academy/lessons/solids-liquids-and-gases-74tp8t>  Review  <https://classroom.thenational.academy/lessons/review-1-6rvkar> | Complete the activities during the video  Read and answer the text book questions saved here. |
| Monday 7th December | Heat and movement | Watch the video on conduction, convection and radiation.  <https://www.youtube.com/watch?reload=9&v=kNZi12OV9Xc&feature=emb_logo>  Then watch this one on insulation  <https://classroom.thenational.academy/lessons/insulation-ccup2r> | Build the model house and insulate it with different materials. Produce a poster to show how insulation works in the different parts of your house.  Then complete the exam question |
| Monday 14th December | Electric circuits | Watch the video on circuits.  <https://classroom.thenational.academy/lessons/current-and-series-circuits-68r6ad> | Complete the activities during the video  Read and answer the text book questions and then complete the investigation and questions. |