Remote education Spring 1

Subject: Science

Year Group: Year 9

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| Week commencing | Topic | How will the new content be delivered? | What activities need to be completed? |
| Monday 3rd January | Electricity | Lesson 1: circuits  <https://classroom.thenational.academy/lessons/circuits-65hk6d>  Lesson 2: Potential Difference  <https://classroom.thenational.academy/lessons/potential-difference-cmvkar>  Lesson 3: The National Grid  <https://classroom.thenational.academy/lessons/the-national-grid-c4rp6t> | Complete the lessons and share results with your teacher. If you have any trouble, get in touch with your teacher through email. |
| Monday 10th January | Revision of Key Stage 3 content | Lesson 1: Biology Revision  <https://classroom.thenational.academy/lessons/review-part-2-chk3gr>  Lesson 2: Chemistry Revision  <https://classroom.thenational.academy/lessons/review-part-2-6mwpct>  Lesson 3: Physics Revision  <https://classroom.thenational.academy/lessons/end-of-topic-review-c8w38c> | Complete the lessons and share results with your teacher. If you have any trouble, get in touch with your teacher through email. |
| Monday 17th January | GCSE Physics content:  Particles | Lesson 1: The Particle Modes  <https://classroom.thenational.academy/lessons/particle-models-6tj34r>  Lesson 2: Internal Energy  <https://classroom.thenational.academy/lessons/internal-energy-70t6ad>  Lesson 3: Heating and cooling substances  <https://classroom.thenational.academy/lessons/heating-and-cooling-substances-c4wp4c> | Complete the lessons and share results with your teacher. If you have any trouble, get in touch with your teacher through email. |
| Monday 24th January | GCSE Physics content:  Particles | Lesson 1: Density of solids  <https://classroom.thenational.academy/lessons/density-of-solids-60w3at>  Lesson 2: Density required practical  <https://classroom.thenational.academy/lessons/density-required-practical-6hhk2r>  Lesson 3: Density of liquids  <https://classroom.thenational.academy/lessons/density-of-liquids-64tp8c> | Complete the lessons.  Write your own practical method to find the density of:   * A cube * An irregularly shaped object * A liquid   *You can complete these density practicals at home. Have a go and send your results to your teacher.* |
| Monday 31st January | GCSE Physics content:  Energy Resources | Lesson 1: Non-renewable energy resources  <https://classroom.thenational.academy/lessons/non-renewable-energy-resources-6rupcd>  Lesson 2: Renewable energy resources  <https://classroom.thenational.academy/lessons/renewable-energy-resources-ccu6cr>  Lesson 3: Calculations in energy (you will need a calculator)  <https://classroom.thenational.academy/lessons/multi-step-calculations-for-the-energy-topic-ctgp4e> | Complete the lessons and share results with your teacher. If you have any trouble, get in touch with your teacher through email. |
| Monday 7th February | GCSE Physics content:  Energy Resources | Lesson 1: Simple exam questions  <https://KEGOEUL.exampro.net> QR code  Lesson 2: Consolidation  <https://classroom.thenational.academy/lessons/energy-review-6rtkgt>  Lesson 3: Revision  Complete the worksheet | Lesson 1:  Complete and mark your own exam questions using the link.  Lesson 2: Complete the online lesson  Lesson 3: Use resources in the ‘WB 7th February 2022’ folder. |
| Monday 14th February | GCSE Physics content:  Energy Resources | Lesson 1: Energy resources revision  <https://classroom.thenational.academy/lessons/review-part-1-6mupcr>  Lesson 2: Density required practical  Lesson 3: Particles revision | Lesson 1: complete the online lesson  Lesson 2: Write a method for the density required practical. Try out your method (*or get someone else to*) and add improvements.  Lesson 3: Complete the sheet in the ‘WB 14th February 2022’ folder |