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 codeLesson 2: Consolidation<https://classroom.thenational.academy/lessons/energy-review-6rtkgt> Lesson 3: RevisionComplete the worksheet | Lesson 1:Complete and mark your own exam questions using the link.Lesson 2: Complete the online lessonLesson 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 practicalLesson 3: Particles revision | Lesson 1: complete the online lessonLesson 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 |