**Science work – Year 10**

The tasks to work through each week from your CGP guide and workbook from June 15th until the end of the summer term are given below. You will also have a short Educake test and additional online resources to help you.

**Trilogy Groups: 10NSCurie, 10NSDahl, 10SSCurie, 10SSDahl**

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| **Week** | **Topic** | **CGP Guide pages** | **Workbook pages** | **Educake Test** | **Additional resources** |
| 15/6/20 | Revision B1 and C1 | p.11-23 and p.96-111 | p.2-17 and p.102-123 | Revision B1 and C1 | You can use your revision guide or BBC bitesize to help you revise:B1 – CellsC1 – Atomic structure and the periodic table<https://www.bbc.co.uk/bitesize/examspecs/z8r997h>  |
| **Task Instructions**: *Complete the B1 revision question (CGP Guide, pg23) and C1 revision questions (CGP Guide p.111) Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete.* |
| 22/06/20 | Revision P1 | p.167-178 | p.193-206 | End of year 10 assessment | The topics covered in the end of year assessment are: Cells, organisation, infection and response, bioenergetics, atomic structure and the periodic table, structure and bonding, quantitative chemistry, chemical change, energy changes in chemistry, energy, electricity, particle model of matter and atomic structure. You can use your revision guide or BBC bitesize to help you revise.<https://www.bbc.co.uk/bitesize/examspecs/z8r997h> |
| **Task Instructions**: *Complete the P1 revision question (CGP Guide, pg178). Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete. The Educake test this week is your end of year assessment.* |
| 29/06/20 | Water Cycle and Carbon Cycle | p.89-90 | p.95-97 | Water Cycle and Carbon Cycle | This page from BBC bitesize will help you understand the water cycle <https://www.bbc.co.uk/bitesize/guides/z9nwtv4/revision/8>This page from BBC bitesize will help you understand the carbon cycle<https://www.bbc.co.uk/bitesize/guides/z9nwtv4/revision/7> |
| **Task Instructions**: *Make a simple diagram of the water cycle. Explain the meaning of the 4 key terms: evaporation, condensation, transpiration and precipitation. Make a simple diagram of the carbon cycle. Describe 1 way that carbon dioxide is removed from the atmosphere, 2 ways that carbon dioxide is locked up in the soil and 3 ways that carbon dioxide is released into the atmosphere. Complete pages 95-97 in the workbook. Complete Educake test.* |
| 6/07/20 | Biodiversity, Waste and Global Warming | p.91-92 | p.98-99 | Biodiversity, Waste and Global Warming | This video explains more about waste management and how this can lead to pollution:<https://www.youtube.com/watch?v=1Z405uGDZGo> These pages from BBC bitesize explain about the impact of global warming:<https://www.bbc.co.uk/bitesize/guides/zt8f4qt/revision/6><https://www.bbc.co.uk/bitesize/guides/zt8f4qt/revision/7> |
| **Task Instructions**: *Explain the meaning of biodiversity. Give 3 reasons why biodiversity is important. Make a table of 3 ways to dispose of waste. Give advantages and disadvantages for each method of waste disposal. Explain global warming and give 3 consequences of global warming. Complete pages 98-99 in the workbook. Complete Educake test.* |
| 13/07/20 | Deforestation, Land Use and Maintaining Ecosystems | p.93-95 | p.100-101 | Deforestation, Land Use and Maintaining Ecosystems | These pages from BBC Bitesize explain the effects of deforestation and peat bog destruction on maintaining ecosystems<https://www.bbc.co.uk/bitesize/guides/zt8f4qt/revision/4><https://www.bbc.co.uk/bitesize/guides/zt8f4qt/revision/5> |
| **Task Instructions**: *Explain the meaning of deforestation. Explain 3 problems with deforestation and 3 problems with destruction of peat bogs. Describe 3 methods for maintaining ecosystems. Complete pages 100-101 in the workbook. Complete the end of topic revision questions on page 95. Complete Educake test.* |

**Trilogy Groups: 10NSEuclid, 10NSFermat, 10NSGolding, 10SSEuclid, 10SSFermat**

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| **Week** | **Topic** | **CGP Guide pages** | **Workbook pages** | **Educake Test** | **Additional resources** |
| 15/6/20 | Revision B1 and C1 | p.11-23 and p.96-112 | p.2-17 and p.96-112 | Revision B1 and C1 | You can use your revision guide or BBC bitesize to help you revise:B1 – CellsC1 – Atomic structure and the periodic table<https://www.bbc.co.uk/bitesize/examspecs/z8r997h>  |
| **Task Instructions**: *Complete the B1 revision question (CGP Guide, pg23) and C1 revision questions (CGP Guide p.112) Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete.* |
| 22/06/20 | Revision P1 | p.167-179 and p.202 | p.173-178 | End of year 10 assessment | The topics covered in the end of year assessment are: Cells, organisation, infection and response, bioenergetics, atomic structure and the periodic table, structure and bonding, quantitative chemistry, chemical change, energy changes in chemistry, energy, electricity, particle model of matter and atomic structure. You can use your revision guide or BBC bitesize to help you revise.<https://www.bbc.co.uk/bitesize/examspecs/z8r997h> |
| **Task Instructions**: *Complete the P1 revision question (CGP Guide, pg202). Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete. The Educake test this week is your end of year assessment.* |
| 29/06/20 | Water Cycle and Carbon Cycle | p.89-90 | p.87-88 | Water Cycle and Carbon Cycle | This page from BBC bitesize will help you understand the water cycle <https://www.bbc.co.uk/bitesize/guides/z9nwtv4/revision/8>This page from BBC bitesize will help you understand the carbon cycle<https://www.bbc.co.uk/bitesize/guides/z9nwtv4/revision/7> |
| **Task Instructions**: *Make a simple diagram of the water cycle. Explain the meaning of the 4 key terms: evaporation, condensation, transpiration and precipitation. Make a simple diagram of the carbon cycle. Describe 1 way that carbon dioxide is removed from the atmosphere, 2 ways that carbon dioxide is locked up in the soil and 3 ways that carbon dioxide is released into the atmosphere. Complete pages 87-88 in the workbook. Complete Educake test.* |
| 6/07/20 | Biodiversity, Waste and Global Warming | p.91-92 | p.89-90 | Biodiversity, Waste and Global Warming | This video explains more about waste management and how this can lead to pollution:<https://www.youtube.com/watch?v=1Z405uGDZGo> These pages from BBC bitesize explain about the impact of global warming:<https://www.bbc.co.uk/bitesize/guides/zt8f4qt/revision/6><https://www.bbc.co.uk/bitesize/guides/zt8f4qt/revision/7> |
| **Task Instructions**: *Explain the meaning of biodiversity. Give 3 reasons why biodiversity is important. Make a table of 3 ways to dispose of waste. Give advantages and disadvantages for each method of waste disposal. Explain global warming and give 3 consequences of global warming. Complete pages 89-90 in the workbook. Complete Educake test.* |
| 13/07/20 | Deforestation, Land Use and maintaining Ecosystems | p.93-95 | p.91-92 | Deforestation, Land Use and Maintaining Ecosystems | These pages from BBC Bitesize explain the effects of deforestation and peat bog destruction on maintaining ecosystems<https://www.bbc.co.uk/bitesize/guides/zt8f4qt/revision/4><https://www.bbc.co.uk/bitesize/guides/zt8f4qt/revision/5> |
| **Task Instructions**: *Explain the meaning of deforestation. Explain 3 problems with deforestation and 3 problems with destruction of peat bogs. Describe 3 methods for maintaining ecosystems. Complete pages 91-92 in the workbook. Complete the end of topic revision questions on page 95. Complete Educake test.* |