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|  | **Year 10 plan from 01/06/2020 onwards** | | | | | |
| **Subject** | **Biology Lesson 1& 2** | | **Chemistry Lesson 1& 2** | | **Physics Lesson 1& 2** | |
| **w/c 01/06**  (Sets 1 & 2) | **Topic 1**  Microscopes and magnification  **Knowledge Tasks:**   1. Watch the video on  **My-GCSE** for Biology topic 1 – microscopes and microscopy 2. Complete the quiz on  **My-GCSE** for Biology topic microscopes and microscopy   **\* Written work**  Complete the worksheet on microscopes and calculations – **pupils do not need to print off the worksheet. They can complete on any paper/format and send through to their class teacher.** | **Topic 1**  Microscopy required practical  **Knowledge Tasks:**   1. Watch the video <https://www.youtube.com/watch?v=SX6mow1AExI> showing the required practical   **\* Written work**  Write up the method for the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions | **Topic 1**  Models of the atom  **Knowledge Tasks:**   1. Read the information on the bitesize pages: 2. <https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/1> 3. Watch the video tutorial on **MYGCSE** science, topic 1 – Models of the atom   **\* Written work:**  Make a timeline of the development of the model of the atom from Daltons model in 1803 through to our current model of the atom. Include labelled diagrams of each model.  **Extension:** Evaluate the importance of Rutherford’s scattering experiment on the developing the models. | **Topic 1**  Atomic structure  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE Science topic 1- atomic structure 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** topic 1.1.5 | **Topic 1**  Energy changes in a system  **Knowledge Tasks:**  Watch the video tutorial on the website below for kinetic energy, GPE & elastic potential energy:  <https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/>  **\* Written work**   1. List down the main energy stores 2. List down the main energy pathways 3. Draw some flow diagrams showing the following energy transfers: 4. Dropping a book from a table 5. Turning a kettle on | **Topic 1**  Energy changes in a system  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – Energy changes in a system  **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** topic 1.1.1 and 1.1.2 |
| **w/c 01/06**  (Sets 3-5) | **Topic 1**  Microscopes and magnification  **Knowledge Tasks:**   1. Watch the video on  **My-GCSE** for Biology topic 1 – microscopes and microscopy 2. Complete the quiz on  **My-GCSE** for Biology topic microscopes and microscopy   **\* Written work**  Complete the worksheet on microscopes and calculations – **pupils do not need to print off the worksheet. They can complete on any paper/format and send through to their class teacher.** | **Topic 1**  Microscopy required practical  **Knowledge Tasks:**   1. Watch the video <https://www.youtube.com/watch?v=SX6mow1AExI> showing the required practical   **\* Written work**  Write up the method for the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions | **Topic 1**  Models of the atom  **Knowledge Tasks:**   1. Read the information on the bitesize pages: 2. <https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/1> 3. Watch the video tutorial on **MYGCSE** science, topic 1 – Models of the atom   **\* Written work:**  Make a timeline of the development of the model of the atom from Daltons model in 1803 through to our current model of the atom. Include labelled diagrams of each model. | **Topic 1**  Atomic structure  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE Science topic 1- atomic structure 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** topic 1.1.5 | **Topic 1**  Energy changes in a system  **Knowledge Tasks:**  Watch the video tutorial on the website below for kinetic energy, GPE & elastic potential energy:  <https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/>  **\* Written work**   1. List down the main energy stores 2. List down the main energy pathways 3. Draw some flow diagrams showing the following energy transfers: 4. Dropping a book from a table   Turning a kettle on | **Topic 1**  Energy changes in a system  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – Energy changes in a system  **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** topic 1.1.1 and 1.1.2 |
| **w/c 08/06**  (Sets 1 & 2) | **Topic 1**  Plant and animal cells  **Knowledge Tasks:**   1. Read the information on bitesize page:   <https://www.bbc.co.uk/bitesize/guides/z84jtv4/revision/7>  **\* Written work**  1.) Draw labelled diagrams of both plant and animal cells (or create models using clay/plasticine or household items and send pictures to your teacher via SMHW)  2.) List down organelles present in both animal and plant cells  3.) List organelles only present in animal cells  **Extension:**  **Seneca task 1.1.3** | **Topic 1**  Prokaryotic & eukaryotic cells  **Knowledge Tasks:**   1. Watch the video on MYGCSE Science on prokaryotic and eukaryotic cells   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science** prokaryotic and eukaryotic cells | **Topic 1**  Periodic table  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE Science topic 1 – periodic table 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** topic 1.1.8 | **Topic 1**  Group 1  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – Group 1 alkali metals  **\* Written work**  1.) Write down the trend shown in reactivity as you move down group 1 in the periodic table.  2.) Draw out the electron configuration of the first 3 elements in group 1.  3.) Use the electron configurations to explain the properties of reactivity for group 1  **Extension:** Write out the balanced chemical equations for the reaction of sodium with water. | **Topic 1**  Power  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 - Power  **\* Interactive task**  Complete the quiz and exam questions on  **\* Written work**  Worksheet calculations on power  **pupils do not need to print off the worksheet. They can complete on any paper/format and send through to their class teacher.** | **Topic 1**  Conservation and dissipation of energy  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 - Power  **\* Interactive task**  Complete the quiz and exam questions on MYGCSE Science |
| **w/c 08/06**  (Sets 3-5) | **Topic 1**  Plant and animal cells  **Knowledge Tasks:**   1. Read the information on bitesize page:   <https://www.bbc.co.uk/bitesize/guides/z84jtv4/revision/7>  **\* Written work**  1.) Draw labelled diagrams of both plant and animal cells (or create models using clay/plasticine or household items and send pictures to your teacher via SMHW)  2.) List down organelles present in both animal and plant cells  3.) List organelles only present in animal cells | **Topic 1**  Prokaryotic & eukaryotic cells  **Knowledge Tasks:**   1. Watch the video on MYGCSE Science on prokaryotic and eukaryotic cells   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science** prokaryotic and eukaryotic cells | **Topic 1**  Periodic table  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE Science topic 1 – periodic table 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** topic 1.1.8 | **Topic 1**  Group 1  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – Group 1 alkali metals  **\* Written work**  1.) Write down the trend shown in reactivity as you move down group 1 in the periodic table.  2.) Draw out the electron configuration of the first 3 elements in group 1.  3.) Use the electron configurations to explain what happens to the size of the atom as you move down the group  **Extension:** Explain why the group one metals are called alkali metals | **Topic 1**  Power  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 - Power  **\* Interactive task**  Complete the quiz and exam questions on  **\* Written work**  Worksheet calculations on power  **pupils do not need to print off the worksheet. They can complete on any paper/format and send through to their class teacher.** | **Topic 1**  Conservation and dissipation of energy  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 - Power  **\* Interactive task**  Complete the quiz and exam questions on MYGCSE Science |
| **w/c 15/06**  (Sets 1 & 2) | **Topic 1**  Culturing microorganisms  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on culturing microorganisms 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science** | **Topic 1**  Culturing microorganisms – Required practical  **Knowledge Tasks:**   1. Watch the video showing the required practical method <https://www.youtube.com/watch?v=sI2Dp5fNdDY>   **\* Written work**  Write up the method for the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions | **Topic 1**  Group 7 -Halogens  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – Group Halogens  **\* Written work**  1.) Write down the trend shown in reactivity as you move down group 1 in the periodic table, the trend in colour and the density of the elements in group 7 as you move from F to I.  2.) Draw out the electron configuration of the first 3 elements in group 7.  3.) Use the electron configurations to explain the properties of reactivity and density for group 7.  **Extension:** Write out the balanced chemical equations for displacement reaction between sodium chloride and fluorine gas. | **Topic 1**  Group 0 – Noble gases  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – Group 0.  **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **\* Research work**  Find a use for each of the noble gases.  Evaluate why the properties of each gas makes it suitable for its use. | **Topic 1**  National and global resources :non -renewable energy  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – National and global resources  **\* Interactive task**  Complete the quiz and exam questions on  Seneca 1.3.1 | **Topic 1**  National and global resources – renewable energy  **Knowledge Tasks:**   1. Watch the video on <https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/>   **\* Written work**  List down the 7 main renewable energy sources. Explain briefly how each one generates electricity and then write down some advantages and disadvantages for each energy source.  **Extension:** AQA Exampro unit 1 energy unit test |
| **w/c 15/06**  (Sets 3-5) | **Topic 1**  Culturing microorganisms  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on culturing microorganisms 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science** | **Topic 1**  Culturing microorganisms – Required practical  **Knowledge Tasks:**   1. Watch the video showing the required practical method <https://www.youtube.com/watch?v=sI2Dp5fNdDY>   **\* Written work**  Write up the method for the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions | **Topic 1**  Group 7 -Halogens  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – Group Halogens  **\* Written work**  1.) Write down the trend shown in reactivity as you move down group 1 in the periodic table, the trend in colour and the density of the elements in group 7 as you move from F to I.  2.) Draw out the electron configuration of the first 3 elements in group 7.  3.) Use the electron configurations to explain the properties of reactivity and density for group 7. | **Topic 1**  Group 0 – Noble gases  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – Group 0.  **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **\* Research work**  Find a use for each of the noble gases.  Evaluate why the properties of each gas makes it suitable for its use. | **Topic 1**  National and global resources :non -renewable energy  **Knowledge Tasks:**  Watch the video tutorial on MYGCSE Science topic 1 – National and global resources  **\* Interactive task**  Complete the quiz and exam questions on  Seneca 1.3.1 | **Topic 1**  National and global resources – renewable energy  **Knowledge Tasks:**   1. Watch the video on <https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/>   **\* Written work**  List down the 7 main renewable energy sources. Explain briefly how each one generates electricity and then write down some advantages and disadvantages for each energy source.  **Extension:** AQA Exampro unit 1 energy unit test |
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| **w/c 22/06**  (Sets 1 & 2) | **Topic 1**  Chromosomes and mitosis  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on plant defences 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** topic 1.2.1 | **Topic 1**  Stem Cells  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on stem cells   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **\* Written work**  Worksheet Bio\_stemcells\_H  **pupils do not need to print off the worksheet. They can complete on any paper/format and send through to their class teacher.** | **Topic 1**  Transition Elements  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on transition metals   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** task 1.1.11   **Extension:**  AQA Exampro topic test on atomic structure | **Topic 2**  Ionic Bonding  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on ionic bonding 2. Download the notes and complete using the video or make your own flash cards   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **\* Written work**  Draw out diagrams of the ions in the following ionic bonds:   1. Sodium chloride 2. Magnesium Oxide | **Topic 2**  Introduction to electricity  **Knowledge Tasks:**  Read through the notes on BBC bitesize website:  <https://www.bbc.co.uk/bitesize/guides/zpdtv9q/revision/1>  **\* Written work**  From memory, now try to draw down the circuit symbols for:  - lamp/bulb  - Switch  - Cell  - Battery  - Ammeter  - Voltmeter  - Diode  - Thermistor  - Resistor  - LDR  - LED  From memory, try to write the units for the following:  - current  - potential difference  - resistance  - Charge | **Topic 2**  Series and parallel circuits  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on series and parallel circuits 2. Download the notes and complete using the video or make your own flash cards   .  **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** task 2.3.3 and 2.3.5 |
| **w/c 22/06**  (Sets 3-5) | **Topic 1**  Chromosomes and mitosis  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on plant defences 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** topic 1.2.1 | **Topic 1**  Stem Cells  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on stem cells   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **\* Written work**  Worksheet Bio\_stemcells\_F  **pupils do not need to print off the worksheet. They can complete on any paper/format and send through to their class teacher.** | **Topic 1**  Transition Elements  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on transition metals   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** task 1.1.11   **Extension:**  AQA Exampro topic test on atomic structure | **Topic 2**  Ionic Bonding  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science ionic bonding 2. Download the notes and complete using the video or make your own flash cards   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **\* Written work**  Draw out diagrams of the ions in the following ionic bonds:   1. Sodium chloride 2. Magnesium Oxide | **Topic 2**  Introduction to electricity  **Knowledge Tasks:**  Read through the notes on BBC bitesize website:  <https://www.bbc.co.uk/bitesize/guides/zpdtv9q/revision/1>  **\* Written work**  From memory, now try to draw down the circuit symbols for:  - lamp/bulb  - Switch  - Cell  - Battery  - Ammeter  - Voltmeter  - Diode  - Thermistor  - Resistor  - LDR  - LED  From memory, try to write the units for the following:  - current  - potential difference  - resistance  - Charge | **Topic 2**  Series and parallel circuits  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on series and parallel circuits 2. Download the notes and complete using the video or make your own flash cards   .  **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**   1. **Seneca** task 2.3.3 and 2.3.5 |

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| **w/c 29/06**  (Sets 1 & 2) | **Topic 1**  Movement in cells - diffusion  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on diffusion 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 1.3.1 | **Topic 1**  Movement in cells - Osmosis  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on osmosis 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 1.4.1 | **Topic 2**  Covalent bonding  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on covalent bonding 2. Download the notes and complete using the video or make your own flash cards   **\* Written work**  Draw out diagrams to show the following covalent bonds:   1. Hydrogen chloride (g) 2. Oxygen 3. Carbon Dioxide | **Topic 2**  Metallic bonding  **Knowledge Tasks:**  **Knowledge Tasks:**   1. Watch the video tutorial on Metallic bonding 2. Download the notes and complete using the video or make your own flash cards   .  **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 2.1.4 | **Topic 2**  Investigating resistance in circuit  **Knowledge Tasks:**   1. Watch the video tutorial on resistance 2. Download the notes and complete using the video or make your own flash cards   .  **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 2..2.1 and 2.2.2 | **Topic 2**  Investigating resistance in circuit – required practical 1  **Knowledge Tasks:**  Watch the video:  <https://www.youtube.com/watch?v=m_3JrA-sDEg>  **\* Written work**  Write up the method for the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions 3. Write a conclusion for what the data should show you – why does this happen? |
| **w/c 29/06**  (Sets 3-5) | **Topic 1**  Movement in cells - diffusion  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on diffusion 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 1.3.1 | **Topic 1**  Movement in cells - Osmosis  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on osmosis 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 1.4.1 | **Topic 2**  Covalent bonding  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on covalent bonding 2. Download the notes and complete using the video or make your own flash cards   **\* Written work**  Draw out diagrams to show the following covalent bonds:   1. Hydrogen chloride gas HCl 2. Chlorine gas Cl2 | **Topic 2**  Metallic bonding  **Knowledge Tasks:**  **Knowledge Tasks:**   1. Watch the video tutorial on Metallic bonding 2. Download the notes and complete using the video or make your own flash cards   .  **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 2.1.4 | **Topic 2**  Investigating resistance in circuit  **Knowledge Tasks:**   1. Watch the video tutorial on resistance 2. Download the notes and complete using the video or make your own flash cards   .  **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 2..2.1 and 2.2.2 | **Topic 2**  Investigating resistance in circuit – required practical 1  **Knowledge Tasks:**  Watch the video:  <https://www.youtube.com/watch?v=m_3JrA-sDEg>  **\* Written work**  Write up the method for the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions   Write a conclusion for what the data should show you – why does this happen? |

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| **w/c 06/07**  (Sets 1 & 2) | **Topic 1**  Osmosis – Required practical  **Knowledge Tasks:**  Watch the video:  <https://www.youtube.com/watch?v=oieXYuQm_xE>  **\* Written work:**  Write up the methodfor the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions | **Topic 1**  Movement in cells – Active transport  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on active transport 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 1.5.1 | **Topic 2**  Properties of bonding  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on properties of bonding 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 2.3 | **Topic 2**  Carbon Allotropes  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on Graphene and fullerene 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Extension:** AQA Exampro unit test on structure and bonding | **Topic 2**  Investigating resistance in circuit – required practical 2  **Knowledge Tasks:**  Watch the video:  <https://www.youtube.com/watch?v=51mSWRfAsAw>  **\* Written work**  Write up the method for the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions 3. Write a conclusion for what the data should show you – why does this happen? | **Topic 2**  Domestic uses and safety  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on domestic uses and safety 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**  2.) **Seneca** tasks 2.4.1 – 2.4.4 |
| **w/c 06/07**  (Sets 3-5) | **Topic 1**  Osmosis – Required practical  **Knowledge Tasks:**  Watch the video:  <https://www.youtube.com/watch?v=oieXYuQm_xE>  **\* Written work:**  Write up the methodfor the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions | **Topic 1**  Movement in cells – Active transport  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on Active transport 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 1.5.1 | **Topic 2**  Properties of bonding  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on properties of bonding 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Seneca** task 2.3 | **Topic 2**  Carbon Allotropes  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on Graphene and fullerene 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  Complete the quiz and exam questions on **MYGCSE science**  **Extension:** AQA Exampro unit test on structure and bonding | **Topic 2**  Investigating resistance in circuit – required practical 2  **Knowledge Tasks:**  Watch the video:  <https://www.youtube.com/watch?v=51mSWRfAsAw>  **\* Written work**  Write up the method for the required practical.   1. Make a list of all the equipment needed for the practical 2. Write down a step by step method for carrying out the practical including any safety precautions   Write a conclusion for what the data should show you – why does this happen? | **Topic 2**  Domestic uses and safety  **Knowledge Tasks:**   1. Watch the video tutorial on MYGCSE science on domestic uses and safety 2. Download the notes and complete using the video or make your own flash cards.   **\* Interactive task**  1.) Complete the quiz and exam questions on **MYGCSE science**  2.) **Seneca** tasks 2.4.1 – 2.4.4 |