**Year 8 (Phase 3/ Key Stage 3)**

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| **Week** | **Model of Learning** | **Topic** | **Curriculum Standard** | **Learning outcomes** | **Prior Learning** | **Cross curricular links** | | **Resources** | | **Home learning/ Homework** | | | **Assessment Platform/ Apps for**  **AFL** | **Key vocabulary** | | **Ongoing reflection/**  **Modification** |
| **JANUARY** | | | | | | | | | | | | | | | | |
| **Week 16**  **(03/01/2021-07/01/2021)** | Blended  Learning  and distance learning | Revision for MYA | KS3 | Revise all the topics learnt before. | N/A | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | | | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app. | N/A | |  |
| **Week 17**  **(10/01/2021-14/01/2021)** | Blended  Learning  and distance learning | 8Be Germination and growth | KS3 | Describe what happens in germination.  Explain why seeds and plants need certain resources.  Explore how organisms are independent. | Germination | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | | | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app | Resources  Germination  Dormant  By product  Mineral salts  Interdependent | |  |
| **Week 18**  **(17/01/2021-21/01/2021)** | **Mid Year Assessment** | | | | | | | | | | | | | | | |
| **Week 19**  **(24/01/2021-28/01/2021)** | **Mid Year Assessment** | | | | | | | | | | | | | | | |
| **JANUARY/ FEBRUARY** | | | | | | | | | | | | | | | | |
| **Week 20**  **(31/01/2021-04/02/2021)** | Blended  Learning  and distance learning | 8Ca Aerobic respiration | KS3 | Recall and explain what happens in aerobic respiration.  Describe aerobic respiration in living organisms, including the breakdown of organic molecules to enable all the other chemical processes necessary for life. | Respiration | | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app |  |  | |
| **Week 21**  **(07/02/2021-11/02/2021)** | Blended  Learning  and distance learning | 8Cb Gas exchange system | KS3 | Recall the functions of the organs in the gas exchange system.  Explain how the structure of the lungs allows efficient gas exchange.  Describe the structure and functions of the gas exchange system in humans, including adaptations to function. | Aerobic  Respiration | | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app | Breathing  Ventilation  Mucus  Gas exchange  Diffusion  Surface area  Capillaries |  | |
| **Week 22**  **(14/02/2021-18/02/2021)** | Blended  Learning  and distance learning | 8Cc Getting oxygen | KS3 | Describe the effects of exercise on breathing and heartbeat rates.  Explain how substances reach respiring cells from the blood and how waste products are returned to the blood.  Explain the effects of reduced oxygen supply on the body. | Breathing | | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app | Haemoglobin  Blood vessels  Arteries  Tissue fluid  Heart attack  Carbon monoxide  Asthma |  | |
| **Half Term Break for Students (21/02/2021-23/02/2021)** | | | | | | | | | | | | | | | | |
| **Week 23**  **(24/02/2021-25/02/2021)** | Blended  Learning  and distance learning | 8Cd Comparing gas exchange | KS3 | Recall how to detect aerobic respiration.  Describe and compare how gas exchange occurs in different organisms. | Gas exchange | | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app | | Hydrogen carbonate indicator  Gills  Stomata  Exhaled | |  |
| **FEBRUARY/ MARCH** | | | | | | | | | | | | | | | | |
| **Week 24**  **(28/02/2021-04/03/2021)** | Blended  Learning  and distance learning | 8Ce Anaerobic respiration | KS3 | Recall what happens in anaerobic respiration.  Describe the effects of anaerobic respiration during and after hard exercise.  Explain anaerobic respiration in living organisms, including the breakdown of organic molecules to enable all the other chemical processes necessary for life. | Aerobic respiration | | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app | | Aerobic exercise  Contracting  Oxygen debt  Lactic acid  EPOC | |  |
| **Week 25**  **(07/03/2021-11/03/2021)** | Blended  Learning  and distance learning | 8Ce Fitness training  8Cb Means and ranges | KS3 | Explain how training changes the body’s systems.  Calculate the means and ranges. | Effects of exercise, Mean | | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app | | Muscle tissues  Fitter people  Breathing rate  Means  ranges | |  |
| **Week 26**  **(14/03/2021-18/03/2021)** | Blended  Learning  and distance learning | 8Da Unicellular or multicellular | KS3 | Use cell features to identify members of different kingdoms.  Explain differences between unicellular and multicellular organisms. | Classification | | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app | | Unicellular  Multicellular  Prokaryotes  Protoctists  Fungi | |  |
| **Week 27**  **(21/03/2021-25/03/2021)** | Blended  Learning  and distance learning | 8Da Unicellular or multicellular | KS3 | Use cell features to identify members of different kingdoms.  Explain differences between unicellular and multicellular organisms. | Classification | | English,  Maths and Science | | <https://developingexperts.com/s/unit-library/curriculum/1>  <https://www.sciencevideos.co.uk/>  <https://drive.google.com/file/d/1wBqwQ1WrzzvlKiekm-FaCIC_ciGl91Km/view?usp=sharing>  <https://drive.google.com/file/d/1OJhv7wmBJ2r7kqoC3j4xTQ9os0UR-HgZ/view?usp=sharing>  <https://sites.google.com/a/se-tigers.com/darkow/> | | Assignment in the Century Tech | Quizizz, Chat box in MS Teams, OneNote, Padlet, Microsoft/ Google Form or any other suitable, accessible app | | Unicellular  Multicellular  Prokaryotes  Protoctists  Fungi | |  |
| **Spring Break**  **(28/03/2021-08/04/2021)** | | | | | | | | | | | | | | | | |