**Biology Independent Study Programme Spring Term**

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| Week Beginning | Work | Date due |
| 6/1/20 | **Chapter 9 Transport in Plants**  Read pages 198 onwards.  Make notes on the need for transport systems in plants.  Read the structure and function of the leaf, xylem and phloem and use this information to label the diagrams and add useful notes on pages 3-5 of the Plant Transport Workbook, | 31th January |
| 20/1/20 | **Movement of Water in Plants**  Page 202  Use the text book to fill in pages 5-7 of the Plant Transport Workbook on the following topics   * Role of water in plants. * Adaptations of root hair cells. * 3 pathways for water movement across a root into the xylem |
| 27/1/20 | **Plant Adaptations for Managing Extremes of Water Availability.**  Use the text book pages 214-218 to complete the pages 12 and 13 in the Workbook on Xerophytes and Hydrophytes. Make any additional notes required. | 10/2 |
| 3/2/20 | **Translocation questions**  Work through questions and use the mark scheme to check your answers | 17/2 |
| 10/2/20 | **Classification**  Chapter 10 of your Text book  Read through the chapter from page 230-239  Make brief notes on   * The purpose of classification * Classification systems and the importance of different level from species to kingdom * Binomial Nomenclature * Main features of the 5 Kingdoms * New classification system with 6 Kingdoms | 2/3 |
| 24/2/20 | **Communicable Diseases**  Chapter 12 pages 302-310.  Read through and use the information to complete tasks on pages 4 of the Health, Disease and Immunity Workbook | 16/3 |
| 2/3/20 | **Transmission of Communicable Diseases**  Pages 311-313  Use the text book to complete tasks on pages 3 of the Health, Disease and Immunity Workbook | 16/3 |
| 16/3/20 | **Evidence for Evolution**  Pages 243-246  Make brief notes on the main evidence supporting evolution. | 23/3 |
| 23/3/20 | **Factors Affecting biodiversity**  Pages 286-290. Read and make brief notes on the major factors and their impact on biodiversity  **Reasons for Maintaining Biodiversity**  Pages 291-294  Read and make brief notes on the main reasons, giving examples for each.   * Aesthetic * Economic * Ecological | After Easter |