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| WEEK/Dates | TOPIC | HOMEWORK |
| Week beginning :  2/9/19  Week beginning:  9/9/19 | Key concepts in biology   * Cells and specialised cells * Microscopy * Enzymes * Enzymes in breakdown and synthesis * Energy in food * Diffusion, osmosis and active transport * Investigating osmosis | * Cells and specialised cells worksheet * Microscopy worksheet * Enzyme worksheet |
| Week beginning:  16/9/19  Week beginning:  23/9/19 | Cells and controls   * Mitosis * Cell division and growth * Stem cells * The brain and the spinal cord * The nervous system * Synapses and nerves. * The Eye | * Mitosis worksheet * Growth and cell development worksheet * The eye key words and worksheet |
| Week beginning:  7/10/19  Week beginning:  14/10/19 | Genetics   * Sexual reproduction and meiosis * DNA * Protein synthesis * Genetic diagrams * Sex linked genetic disorders * Inheritance and blood groups * Variation * The human genome projects | * Genes. Chromosomes and DNA * Protein synthesis worksheet * Genetic Disorders assessment * Inheritance and blood groups worksheet |
| Week beginning  28/10/19  Week beginning:  4/11/19  Week beginning:  11/11/19 | Natural selection and genetic modification.   * Natural selection and evidence for evolution. * Darwin and Wallace. * Fossil evidence for human evolution * Classification * Selecting breeding * Tissue Culture * Genetic Engineering * GMOs and Human population Growth | * Natural selection worksheet * Evidence for evolution. * Genetic engineering news report project. |
| Week beginning:  18/11/19  Week beginning:  25/11/19  Week beginning  2/12/19 | Health, Disease and the development of medicines.   * Health and disease * Viruses and STIs * Plat disease * Fighting disease * Memory lymphocytes and immunisation * Monoclonal antibodies * Antibiotics and other medicine. * Investigating antibiotics and antiseptics * Non-communicable disease * Measures of obesity * Treatment for cardiovascular disease | * Health and disease worksheet. * Antibiotics and medicines * Plant disease worksheet * Communicable disease. * Obesity causes. * Cardiovascular disease   Bacterial reproduction. |
| Week beginning  **9/12/19-16/12/19 PASTPAPERS EXAM PRACTISE PAPER 1** | | |
| Week beginning  6/1/2020 | Plant structures and their functions   * Photosynthesis * Warm and exam questions * Transport in plants * Adaptations of leaves and plants * Plant hormones * Commercial use of plant hormones | Worksheet for photosynthesis and its limiting factors.  Transpirations and stomata worksheets  Warm up and exam questions. |
| Week beginning :  13/1/2020 | Plant hormones  Adaptations of leaves and plants  Commercial use of plant hormones | * Plant hormones worksheet * Commercial use of plant hormones. |
| Week beginning:  20/1/2020 | Animal coordination.   * Hormones * Comparing neurones and hormones * Adrenaline and thyroxine | Worksheet to compare neurones and hormones.  Adrenaline and thyroxine activity |
| Week beginning:  27/1/2020 | The menstrual cycle  Controlling fertility  Homeostasis | Describe the menstrual cycle and controlling fertility  Homeostasis worksheet |
| Week beginning:  3/2/2020 | Blood glucose regulation  Diabetes  Thermoregulation  The kidneys | * Blood glucose worksheet * Diabetes worksheet * The kidneys |
| Week beginning  10/2/2020 | Exam questions | * Past pater and all topic practice question |
| Week beginning  24/2/2020 | Exchange and transport in animals.  Exchange surfaces and the alveoli  Rate of diffusion | * Gas exchange and animal in worksheets * Diffusion and substances worksheet |
| Week beginning  2/3/2020 | Respiration  Investigating respiration  Warm up and exam style questions | * Respiration worksheet * Exam style of questions |
| Week beginning  9/3/2020 | Circulatory system Blood  Blood vessels  The Heart  Warm up and exam questions. | * Questions on blood, blood vessels and the heart. |
| Week beginning  16/3/2020 | Ecosystems and material cycles   * Ecosystems and interactions between organism * Investigating ecosystems | * Worksheet on ecosystem and interactions * Investigating ecosystem activity |
| Week beginning  23/3/2020 | * Warm up exam style questions. * Human impacts on biodiversity * Conservation and biodiversity | * Biodiversity and human impacts worksheet * Worksheet on biodiversity and conservation. |
| Week beginning  30/3/2020 | Food security  The carbon cycle  The water cycle  The nitrogen cycle | * Food testing and security worksheet * The 3 cycle worksheet |
| Week beginning  20/4/2020 | Warm up exam questions  Indicator species  Decomposition | * Indicator species worksheet * Decomposition worksheet |
| Week beginning  27/4/2020 | Warm up exam questions | Summer revision worksheets  Exam style questions |
| Week beginning  4/5/2020 |  |  |
| Week beginning  11/5/2020 |  |  |
| Week beginning  18/5/2020 |  |  |
| Week beginning  1/6/2020 |  |  |
| Week beginning  8/6/2020 |  |  |