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| Week/dates | Topic | Homework |
| Week beginning: 20/11/17  | CELL Biology | * Structure of plant and animal cells
* Function of main organelles
* Specialised cells
* Classify Yeast cells, bacterial cells, Plant cells, animal cells as eukaryotic and prokaryotic
* Chromosomes, mitosis, diffusion
* Osmosis

Experiment-Practical* Microscopy
* Osmosis
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| Week beginning: 27/11/17 | Organisation | * Cells, tissue, organ and organ system
* Functions of digestive system
* Catalyst, enzymes and their properties
* Circulatory system
* Function of the pacemaker cells and coronary arteries.
* Plant structure-Photosynthesis
* Transpiration

Experiment- Practical* Enzymes
* Food Tests
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| Week beginning: 4/12/17 | Infection and Response | * Pathogens
* Bacteria, viruses
* Viral and bacterial diseases, AIDS
* Malaria
* Immunity
* Antibiotics and pain killers and drugs

Experiment- Practical* Reaction Time
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| Week beginning: 11/12/17 | Bioenergetics | * Photosynthesis
* Aerobic and anaerobic Respiration
* Metabolism

 Experiment- Practical* Photosynthesis
* Plant Responses
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| Week beginning: 18/12/17 | Homeostasis and response | * Homeostasis
* Nervous system
* Reflex action
* Nervous and Endocrine system
* Diabetes, menstrual cycle, contraception
* Fertilisation
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| Week beginning: 8/1/1815/1/18 | Inheritance, variation and evolution | * Sexual and asexual reproduction
* Meiosis
* Punnett square and sex determination
* Structure of chromosomes, DNA
* Inherited disorders, polydactyly and cystic fibrosis
* Genetic engineering
* Mutation
* Extinction
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| Week beginning: 22/1/1829/1/18 | Ecology | * Classification of organisms
* Ecosystem, habitat, interdependence
* Habitat
* Random sampling using a quadrat

Experiment- Practical* Field Investigations
* Food chain, carbon cycle, bio-diversity
* Water pollution, acid rain
* Deforestation
* Global warming
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