

## RGS Biology Department 2015-2016



### Course Summaries

Timing	3 <sup>rd</sup> Form	4 <sup>th</sup> Form	5 <sup>th</sup> Form	6 <sup>th</sup> Form	7 <sup>th</sup> Form
<b>Autumn Term 1<sup>st</sup> half</b>	Cells, Variety of life, MRS H GREN	Movement across membranes	SA:Vol ratio Transport and Coordination in Plants Excretion and osmoregulation by the kidneys	Biological Molecules	Photosynthesis  Conservation, N-cycle Communication
<b>Autumn Term 2<sup>nd</sup> half</b>	Biological Molecules  Transport Systems and Diffusion	Enzymes, digestion and the human diet  Hormones and homeostasis	Food production Selective breeding Evolution Revision of practical skills Revision for mock	Classification, Biodiversity and Evolution Eukaryotes, Prokaryotes and Viruses Cell Division Sexual Reproduction	Respiration, excretion  Homeostasis Meiosis Revision
<b>Spring Term 1<sup>st</sup> half</b>	Respiration and gas exchange in humans	Sensitivity - Focussing in the eye (single award only)  Human Reproduction	Mocks Cloning Genetic engineering Revise Humans & Environment	Transport Mechanisms Gas Exchange	Excretion, revision of cellular control  Variation, evolution, selective breeding.
<b>Spring Term 2<sup>nd</sup> half</b>	Photosynthesis and gas exchange in plants	Genes, DNA and Cell Division Genetics  Plant Reproduction	Revise plant physiology Revision program	Circulation in plants and Animals	Biotechnology, cloning  Responding to the environment – plants & animals
<b>Summer Term 1<sup>st</sup> half</b>	Plant Reproduction	Transport and co-ordination in plants	Final mock exam	Classification, Biodiversity and Evolution review Revision and mock exams	Revision – including synoptic questions
<b>Summer Term 2<sup>nd</sup> half</b>	Exams  Ecology	Exams  Energy transfers in Ecology	Public Exams	Exams: Paper 1 and Paper 2  <b>Nettlecombe trip over summer</b>	Exams: F214, F215