Stalham High School - Subject Curriculum Overview

Subject: Biology						
Year: 10						
Half -Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Themes/ Content/ Units covered 	**Cell Biology** Animal and plant cells Microscopy Diffusion, osmosis and active transport Cell Division Stem Cells	**Organisation** Digestive System Food tests Enzymes Blood, Blood Vessels, and the Heart	**Organisation continued** Breathing and gas exchange Transport Systems in plants Transpiration in plants **Infection and Response** Health, pathogens, and disease **SS only:** Growing and investigating bacteria	**Infection and Response continued** Human Defence Response **SS only:** Plant diseases and defences Vaccinations Antibiotics and painkillers Discovering and developing drugs **SS only:** Making and using monoclonal antibodies Cancer Smoking, diet, exercise, alcohol, and disease	**Bioenergetics** Photosynthesis Factors affecting the rate of photosynthesis How plants use glucose Testing a leaf for starch	**Bioenergetics continued** Aerobic and anaerobic respiration Response to Exercise Metabolism **Paper 1 Revision**