

Curriculum Map Year 13 Applied Science

Topic Name	Term	Skills developed with link to NC Subject content	Reflection on previous link in the curriculum	Progress to future link in the curriculum
Unit 8: Physiology of Human Body Understand the impact of disorders of the musculoskeletal system and their associated corrective treatments	<i>Autumn HT1+ 2</i>	<ul style="list-style-type: none"> Structure of the musculoskeletal system Function of the musculoskeletal system Health matters and treatments related to the musculoskeletal system 	GCSE: Coordination and Control <ul style="list-style-type: none"> Role of the musculoskeletal System 	
Unit 3: Planning a scientific investigation	<i>Autumn HT 1 + 2</i>	<ul style="list-style-type: none"> Developing a hypothesis for an investigation Selection of appropriate equipment, techniques and standard procedures Health and safety associated with the investigation Variables in the investigation Method for data collection and analysis With underlying themes based on: <ul style="list-style-type: none"> Enzymes in action Diffusion of molecules Plants and their environment Energy content of fuels Electrical circuits 	GCSE: How Science Works GCSE: Electrical Circuits <ul style="list-style-type: none"> Measuring circuits GCSE: Organic Chemistry and Chemistry of the atmosphere <ul style="list-style-type: none"> Alkanes and Alkenes GCSE: Organisation <ul style="list-style-type: none"> Role and function of enzymes Lock and Key GCSE: Cell biology <ul style="list-style-type: none"> Diffusion GCSE: Bioenergetics <ul style="list-style-type: none"> Photosynthesis GCSE Ecology <ul style="list-style-type: none"> Environments 	
**Unit 8: Physiology of Human Body Understand the impact of disorders on the physiology of the lymphatic system and the associated corrective treatments	<i>Spring HT3</i>	<ul style="list-style-type: none"> Structure of the lymphatic system Function of the lymphatic system Health matters and treatments related to the lymphatic system 	GCSE: Transport <ul style="list-style-type: none"> Tissue fluids 	
Unit 3: Data collection, processing and analysis/interpretation	<i>Spring HT3 (+4)</i>	<ul style="list-style-type: none"> Collection of quantitative/qualitative data Processing data With underlying themes based on: <ul style="list-style-type: none"> Enzymes in action Diffusion of molecules Plants and their environment Energy content of fuels Electrical circuits 	GCSE: How Science Works GCSE: How Science Works GCSE: Electrical Circuits <ul style="list-style-type: none"> Measuring circuits GCSE: Organic Chemistry and Chemistry of the atmosphere <ul style="list-style-type: none"> Alkanes and Alkenes GCSE: Organisation <ul style="list-style-type: none"> Role and function of enzymes Lock and Key GCSE: Cell biology <ul style="list-style-type: none"> Diffusion GCSE: Bioenergetics <ul style="list-style-type: none"> Photosynthesis GCSE Ecology	

			<ul style="list-style-type: none"> Environments 	
Unit 3: Drawing conclusions and evaluation	<i>Spring</i> <i>HT 4 (+ 5)</i>	<ul style="list-style-type: none"> Interpretation/analysis of data Evaluation Skills <p>With underlying themes based on:</p> <ul style="list-style-type: none"> Enzymes in action Diffusion of molecules Plants and their environment Energy content of fuels Electrical circuits 	GCSE: How Science Works GCSE: Electrical Circuits GCSE: Organic Chemistry and Chemistry of the atmosphere GCSE: Cell Biology and Coordination and Control	
**Unit 8: Physiology of Human Body Explore the physiology of the digestive system and the use of corrective treatments for dietary-related diseases	<i>Summer</i> <i>HT5 (+ 6)</i>	<ul style="list-style-type: none"> Structure of the digestive system Function of the digestive system Health matters and treatments related to the digestive system 	GCSE: Nutrition, digestion and excretion	

** Optional Unit - this may change depending upon the class