



Denton Community College 2019/20

Departmental Curriculum Map

Subject: Science

Year Group: 11



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics	<ol style="list-style-type: none"> 1. Organisation 2. Bioenergetics 3. Infection & response 4. Forces 	<ol style="list-style-type: none"> 1. Energy 2. Electricity 3. Using resources 	<ol style="list-style-type: none"> 1. Rates of reaction 2. Organic chemistry 3. Chemistry of the atmosphere 	REVISION	REVISION	REVISION
What will students do during this unit?	<ol style="list-style-type: none"> 1. Digestive System, food tests, circulatory system, plant tissues and non-communicable diseases 2. Photosynthesis factors, glucose uses, respiration, exercise & metabolism 3. Recap Y9 immunity, vaccines and drug development 4. Resultant vectors, work done, Newton's laws, momentum & stopping 	<ol style="list-style-type: none"> 1. Kinetic energy and potential energy 2. Types of circuit, charge and types of current 3. Potable water, waste treatment and life cycle assessments 	<ol style="list-style-type: none"> 1. Recap rates of Reaction and equilibrium 2. Alkanes & alkenes, hydrocarbons and distillation 3. Atmosphere, climate change and pollutants 	<ol style="list-style-type: none"> 1. Required practical revision 2. Biology Unit 1 revision 3. Chemistry Unit 1 revision 4. Physics Unit 1 revision 5. Biology Unit 2 revision 6. Chemistry Unit 2 revision 	<ol style="list-style-type: none"> 1. Physics Unit 2 revision 2. Biology Unit 1 revision 3. Chemistry Unit 1 revision 4. Physics Unit 1 revision 5. Biology Unit 2 revision 	<ol style="list-style-type: none"> 1. Biology Unit 2 revision 2. Chemistry Unit 2 revision 3. Physics Unit 2 revision
When will students be assessed?	Mock Exams Week Beginning 21/10/19	Mock Exams Week Beginning 21/10/19	Mock Exams Week Beginning February 2020	-	B1 – 12/05/20 pm C1 – 14/05/20 am P1 – 20/05/20 pm	B2 – 01/06/20 pm C2 – 10/06/20 pm P2 – 12/06/20 am
How will students be assessed?	Each topic will be assessed at an appropriate time using a key piece Mock exams (Biology Unit 1 & Physics Unit 2)	Each topic will be assessed at an appropriate time using a key piece Mock Exam (Chemistry Unit 1)	Each topic will be assessed at an appropriate time using a key piece Mock exams (Biology Unit 2, Chemistry Unit 2 & Physics Unit 1)	-	Each exam will last 1 hour and 15 minutes	Each exam will last 1 hour and 15 minutes

Key Vocabulary	See student exercise books	See student exercise books	See student exercise books	See student exercise books	See student exercise books	See student exercise books
Homework opportunities to broaden or deepen student knowledge	Revision Period 6 revision sessions each Thursday	Revision Period 6 revision sessions each Thursday	Revision Period 6 revision sessions each Thursday	Revision Period 6 revision sessions each Thursday	Revision Period 6 revision sessions each Thursday	
Links to the National Curriculum	<p>WORKING SCIENTIFICALLY</p> <ul style="list-style-type: none"> The development of scientific thinking Experimental skills and strategies Analysis and evaluation Vocabulary, units, symbols and nomenclature <p>SUBJECT CONTENT</p> <ul style="list-style-type: none"> Transport systems Photosynthesis Cell biology Health, disease & development of medicines Forces 	<p>WORKING SCIENTIFICALLY</p> <ul style="list-style-type: none"> The development of scientific thinking Experimental skills and strategies Analysis and evaluation Vocabulary, units, symbols and nomenclature <p>SUBJECT CONTENT</p> <ul style="list-style-type: none"> Energy Electricity Chemical & allied industries 	<p>WORKING SCIENTIFICALLY</p> <ul style="list-style-type: none"> The development of scientific thinking Experimental skills and strategies Analysis and evaluation Vocabulary, units, symbols and nomenclature <p>SUBJECT CONTENT</p> <ul style="list-style-type: none"> Rate & extent of chemical change Chemical & allied industries Earth and atmospheric science 	<p>WORKING SCIENTIFICALLY</p> <ul style="list-style-type: none"> The development of scientific thinking Experimental skills and strategies Analysis and evaluation Vocabulary, units, symbols and nomenclature <p>SUBJECT CONTENT</p> <ul style="list-style-type: none"> All Biology content All Chemistry content Physics Paper 1 content 		