

St Thomas More RC College Curriculum Topic Overview commencing September 2020

Year 11b Science (trilogy)

		Autumn	
Week	Week beginning	Topic	Lessons
1			
2			
3			
4			
5	28/9/20		
6	5/10/20	Homeostasis and response	Homeostasis; The nervous system
			Reflex actions and required practical (reaction time);
7	12/10/20		The endocrine system; controlling blood sugar
			Diabetes and diabetes recommendations
8	19/10/20		Human reproduction and contraception; Review
9	2/11/20	Inheritance, variation and evolution	Sexual and asexual reproduction; Meiosis
			DNA and the genome; genetics and genetic crosses
10	9/11/20		Tracking genetic disorders; variation
			Evolution; Selective breeding
			Genetic engineering; evidence for evolution
11	16/11/20	Ecology	Predator-prey relationships; abiotic factors and competition
			Required practical: population sizes; adaptations
12	23/11/20		Cycling materials; cycling carbon; land use
			Changing the landscape; global warming; waste management
13	30/11/20		Investigating pollution and maintaining biodiversity
14	7/12/20	Forces	Forces: contact and non- contact; scalar and vector
			Speed; acceleration; velocity – time graphs
			Weight and mass; forces, motion and resultant forces
15	14/12/20		Forces and acceleration; required practical acceleration
			Newton's laws of motion