

Key Stage 3 Curriculum Map 2019 - 2020

Term 1

Subject: Science		Year Group: 9		
Week/Date	Focus/Topic	Objectives	Key Skills	Home Learning/Resources
1 Sept 2 nd -5 th		<ul style="list-style-type: none"> Baseline assessments, curriculum orientation and expectations 		
2 Sept 8 th -12 th	<u>Ward A-Lifestyle</u> <ul style="list-style-type: none"> Food Digestion Releasing energy from food 	<ul style="list-style-type: none"> To carry out food tests and explain the importance of balanced diet To investigate the digestive system works To carry out a food burning practical to calculate energy 	<ul style="list-style-type: none"> Working scientifically, recall and application 	<ul style="list-style-type: none"> Start food and energy home learning project
3 Sept 15 th -19 th	<ul style="list-style-type: none"> Respiration and the lungs The heart 	<ul style="list-style-type: none"> To investigate differences between aerobic and anaerobic respiration To carry out a heart dissection 	<ul style="list-style-type: none"> Recall and application 	<ul style="list-style-type: none"> Continue food and energy home learning project
4 Sept 22 rd -26 th	<u>Ward B-Diseases and infection</u> <ul style="list-style-type: none"> Working in war Invisible invaders 	<ul style="list-style-type: none"> To investigate differences between hospitals in the early 1900s and 2000s and summarise Semmelweiss' findings. To investigate the different pathogens: bacteria, fungi and viruses 	<ul style="list-style-type: none"> Recall, application and working scientifically 	
5 Sept 29 th -Oct 3 rd	<ul style="list-style-type: none"> Fighting infection Vaccines 	<ul style="list-style-type: none"> To explain the way the body defends itself against the entry of pathogens and the role of the immune system To explain what a vaccine is 	<ul style="list-style-type: none"> Recall and application 	

6 Oct 6 th -10 th	<ul style="list-style-type: none"> • Cancer 	<ul style="list-style-type: none"> • To discuss what cancer is and what increases the risk of it 	<ul style="list-style-type: none"> • Recall and application 	<ul style="list-style-type: none"> • Continue food and energy home learning project
7 Oct 13 th -17 th	<ul style="list-style-type: none"> • Developing drugs 	<ul style="list-style-type: none"> • To investigate how drugs are made 	<ul style="list-style-type: none"> • Recall, application, working scientifically 	<ul style="list-style-type: none"> • Complete food and energy home learning project
8 Oct 20 th -24 th	Mid Term Break			
9 Oct 27 th -Oct 31 st	<p><u>Ward C- Paediatrics</u></p> <ul style="list-style-type: none"> • What are we made of? • Birth 	<ul style="list-style-type: none"> • To investigate DNA and animal cells • To investigate reproduction and explain why we inherit characteristics from our parents 	<ul style="list-style-type: none"> • Recall and application 	<ul style="list-style-type: none"> • Start human health home learning project
10 Nov 3 rd -7 th	<ul style="list-style-type: none"> • Variation • Family links • 	<ul style="list-style-type: none"> • To investigate factors that affect variation • To interpret genetic diagrams 	<ul style="list-style-type: none"> • Recall and application 	<ul style="list-style-type: none"> • Continue human health home learning project
11 Nov 10 th -14 th	<ul style="list-style-type: none"> • Genetic disorders • How far have we come? 	<ul style="list-style-type: none"> • To investigate genetic disorders • To investigate the theory of evolution and why some people disregard this theory 		
12 Nov 17 th -21 st	<p><u>Ward D- Physiotherapy and rehabilitation</u></p> <ul style="list-style-type: none"> • The nervous system • Homeostasis 	<ul style="list-style-type: none"> • To investigate how stimuli effect reaction times • To investigate homeostasis 		
13 Nov 24 th -28 th	<ul style="list-style-type: none"> • Walking in the hospital garden 	<ul style="list-style-type: none"> • To investigate photosynthesis 	<ul style="list-style-type: none"> • Recall, application, numeracy and working scientifically 	
14 Dec 1 st -5 th	<ul style="list-style-type: none"> • Survival techniques • What happens after death? 	<ul style="list-style-type: none"> • To describe the process of speciation and identify extinction events • To investigate the carbon cycle 	<ul style="list-style-type: none"> • Recall, application and working scientifically 	
15 Dec 8 th -12 th	<ul style="list-style-type: none"> • Advances 	<ul style="list-style-type: none"> • To investigate medical advances 	<ul style="list-style-type: none"> • Recall, application and working scientifically 	<ul style="list-style-type: none"> • Finish human health home learning project
Winter Break: December 13th – January 2nd				