

Subject	Year	Term
GCSE Science	9	1
Topic		
B3 – Infection and Response		
Content (Intent)		
<b>Prior Learning (Topic) B1 – Cell Structure, 7B1 – Basics of Life.</b>		
<p>Pupils will learn about:</p> <ol style="list-style-type: none"> <li>1. Communicable disease</li> <li>2. Viral, bacterial and fungal diseases</li> <li>3. Protist diseases</li> <li>4. Protecting the body</li> <li>5. Immune system</li> <li>6. Vaccination I</li> <li>7. Vaccination II (The MMR debate)</li> <li>8. Antibiotics and painkillers</li> <li>9. Drug development</li> </ol>		
Future Learning (Topic) Key Stage 5 Biology - Immunity		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p><b>Demos</b>  <b>Ball and UV Germaglo powder</b>            Starch solution to show spread of disease</p> <p><b>Practical work</b>            Investigating the effect of antibiotics on bacterial growth on agar plates</p> <p><b>Written</b>            Research tasks on microorganisms and communicable diseases.            Data handling tasks on MMR controversy.            Class notes and worksheets for each lesson.</p>	<p>- 2 x standard homeworks (Level given. Written feedback. Response expected.)            -1 x end of topic test (Level given. Verbal feedback to class and individuals.)</p>	
How can parents help at home?		
<p>Look at the topic specific resources on the VLE.            Look at the CGP GCSE Revision guide.            Use appropriate Youtube channels: cognito, primrosekitten, Khan academy, freesciencelessons.            Take an interest! Ask your children what they have learnt and be curious about their learning.</p>		
Helpful further reading/discussion		
<p><b>Reading</b>  <i>Horrible Sciences</i>  <i>newscientist.com</i>  <i>catalyst-magazine.org</i></p>	<p><b>Vocabulary Lists</b>            Communicable disease, virus, fungus, bacterium, protist, phagocyte, lymphocyte,</p>	<p><b>Careers Links</b>  <i>Medicine (doctor/nurse)</i>  <i>Scientific Research</i>  <i>Immunologist</i></p>

	antibody, antigen, immune, vaccine, antibiotics, clinical trials, placebo.	
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