

Subject	Year	Term
GCSE Science	9	1
Topic		
B3 – Infection and Response		
Content (Intent)		
Prior Learning (Topic) B1 – Cell Structure, 7B1 – Basics of Life.		
Pupils will learn about: 1. Communicable disease 2. Viral, bacterial and fungal diseases 3. Protist diseases 4. Protecting the body 5. Immune system 6. Vaccination I 7. Vaccination II (The MMR debate) 8. Antibiotics and painkillers 9. Drug development		
Future Learning (Topic) Key Stage 5 Biology - Immunity		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
Demos Ball and UV Germaglo powder Starch solution to show spread of disease Practical work Investigating the effect of antibiotics on bacterial growth on agar plates Written Research tasks on microorganisms and communicable diseases. Data handling tasks on MMR controversy. Class notes and worksheets for each lesson.	- 2 x standard homeworks (Level given. Written feedback. Response expected.) -1 x end of topic test (Level given. Verbal feedback to class and individuals.)	
How can parents help at home?		
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.		
Helpful further reading/discussion		
Reading <i>Horrible Sciences</i> <i>newscientist.com</i> <i>catalyst-magazine.org</i>	Vocabulary Lists Communicable disease, virus, fungus, bacterium, protist, phagocyte, lymphocyte.	Careers Links <i>Medicine (doctor/nurse)</i> <i>Scientific Research</i> <i>Immunologist</i>

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