

Medical Microbiology – Chapter 121.14

Lessons	English Language Arts TAKS	Science TAKS	Math TAKS	Social Studies TAKS
Day One Lesson	ELA 1, 4, 6			
Laboratory Safety	ELA 1	Science 1, 3		
Standard Precautions for the Laboratory	ELA 1, 3, 4			
The Microscope	ELA 1, 3, 4	Science 1, 2	Mathematics 1, 10	
Quality Control	ELA 1, 4	Science 1, 3	Mathematics 8, 9, 10	
Analysis of Current Infection Control Measures	ELA 1, 4	Science 1, 3, 4	Mathematics 4, 8, 10	
History of Microbiology	ELA 1, 4	Science 1	Mathematics 3, 4	Social Studies 1, 3, 5
The Immune Response	ELA 1, 4	Science 1, 3		
Immunity / Vaccinations	ELA 1, 4	Science 1, 3	Mathematics 3, 4	Social Studies 1, 3
Microorganisms	ELA 1, 4	Science 1, 2	Mathematics 8	
Introduction to Virology	ELA 1, 4, 6	Science 1		Social Studies 1, 4, 5
Introduction to Mycology	ELA 1, 4	Science 1, 2		
Introduction to Parasitology	ELA 1, 4	Science 1, 2		
Antimicrobials	ELA 1, 4	Science 1, 2, 4		
Nosocomial Antibiotic Resistant Organisms	ELA 1, 4, 6	Science 1, 4		
Investigating Food-Borne Illnesses	ELA 1, 4	Science 1, 4		
Critical Thinking Problems	ELA 1, 4, 6		Mathematics 9, 10	
The Growth of Microorganisms	ELA 1, 4	Science 1, 2	Mathematics 3, 4, 5, 8, 9, 10	
The Gram Stain	ELA 1, 4	Science 1, 2, 4	Mathematics 8	
The Art of Streaking (For Isolation)	ELA 1, 4	Science 1, 2		
Bacteria Growth Characteristics	ELA 1, 4	Science 1, 2, 3	Mathematics 8	
Mystery Growth Laboratory Practical	ELA 1, 4	Science 1, 2, 3	Mathematics 8	
Catalase and Oxidase Testing	ELA 1, 4	Science 1, 2, 4	Mathematics 8	
Coagulase Testing	ELA 1, 4	Science 1, 2, 4	Mathematics 8	

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Urease Testing	ELA 1, 4	Science 1, 2, 4	Mathematics 8	
Water Purification	ELA 1, 4	Science 1	Mathematics 8	
Capstone Laboratory Investigation	ELA 1, 4	Science 1, 2, 4	Mathematics 8	