

Science Scope and Sequence - Biology

Term: 2nd 9 Weeks

Taught	Term	TAKS Obj	Curriculum Sequence TEKS/SE and Alignment Objectives	Inst. Level	TAKS	
Strand:		Strand: Biology/Science Concepts				
		TEKS Strand: Genetics				
	2	4	Bio 6A Describe components of deoxyribonucleic acid (DNA), and illustrate how information for specifying the traits of an organism is carried in the DNA.	DM T	T10 T11	
	2	4	Bio 6B Explain replication, transcription, and translation using models of DNA and ribonucleic acid (RNA).	IDM T	T11	
		4	Bio 6C Identify and illustrate how changes in DNA cause mutations and evaluate the significance of these changes.	DM T	T10 T11	
	2	4	Bio 6D Compare genetic variations observed in plants and animals.	IDM T	T10	
	2	4	Bio 6E Compare the processes of mitosis and meiosis and their significance to sexual and asexual reproduction.	IDM		
	2	4	Bio 6F Identify and analyze karyotypes.	IDM		
		TEKS Strand: Properties and Functions of Cells and Viruses				
	2	3	Bio 4C Compare the structures and functions of viruses to cells and describe the role of viruses in causing diseases and conditions such as acquired immune deficiency syndrome, common colds, smallpox, influenza, and warts.	IDM T	T10 T11	
	2	3	Bio 4D Identify and describe the role of bacteria in maintaining health such as in digestion and in causing diseases such as in streptococcus infections and diphtheria.	IDM T	T10 T11	
			KEY: I = Introduced -- the objective is introduced to the student			
			T = Taught -- the objective is presented			
			D = Developed -- the objective is developed through specific activities			
			M = Mastered -- the objective should be mastered (tested, etc.)			
			T10 = Tested on 10th grade TAKS			
			T11 = Tested on 11th grade TAKS			