Texas STARBASE Austin

TEexas Essential Knowledge and Skills (TEKS)
Correlation with Cirriculum
2016-2017

Activity Legend
Physics
Chemistry Sciences A, B, & C
Technology
Engineering
Mathematics
STEM

Standard Type
Process Standard
Supporting Standard
Readiness Standard

All Activities

SCI	MATH	TECH	SS
1(A)	*1(A)*	1(C)	*6(A)*
2(A)	*1(B)*	1(A)	**23(D)**
2(B)	*1(C)*	1(D)	*26(A)*
2(C)	*1(D)*	2(A)	*26(B)*
2(D)	*1(E)*	2(F)	
2(E)	*1(F)*	3(B)	
2(F)	*1(G)*	3(D)	
2(G)	**2(C)**	4(B)	
3(A)	**3(A)**	5(A)	
3(D)	**3(J)**	6(B)	
4(A)	***3(K)***		
4(B)	***3(L)***		
5(A)	***4(H)***		
5(C)	*7(A)*		
5(D)	*8(A)*		
6(A)	*8(B)*		
6(B)	***8(C)***		
6(D)	*9(A)*		

Math: Number and Number Relationships - Figure That!

SCI	RD	MATH	TECH	SS
	12(A)	*1(F)*		
	13(B)	*1(G)*		
		2(C)		
		9(A)		

Math: Geometry - Circuit Board

SCI	RD	MATH	TECH	SS
2(F)	**13(A)**	*1(C)*		
6(B)	**13(B)**	*7(A)*		
		8(A)		
		8(B)		

Math: Data Analysis - POP Goes the Fizz

SCI	RD	MATH	TECH	SS
1(A)	**13(A)**	*1(D)*	3(B)	
2(A)	**13(B)**	*1(E)*	3(D)	
2(B)		*1(F)*	4(B)	
2(C)		*1(G)*		
2(D)		**2(C)**		
2(E)		***3(K)***		
2(F)		*7(A)*		
2(G)		*9(A)*		
3(A)				
3(D)				
4(A)				
5(D)				
6(D)				

Math: Measurement: Volume, Mass, Length and Data Analysis

SCI	RD	MATH		TECH	SS
1(A)	**13(A)**	*1(C)*		3(B)	
2(A)		*1(D)*		3(D)	
2(B)		*1(E)*		4(B)	
2(C)		*1(F)*			
2(D)		*1(G)*			
2(E)		**2(C)**			
2(F)		***3(K)***			
2(G)		***4(H)***			
3(A)		*7(A)*			
4(A)		*9(A)*			
6(A)					
6(D)					

STEM: Careers - Personal Investigations

SCI	RD	MATH	TECH	SS
3(D)	***17(A)***	***3(K)***		**23(D)**
	20(C)			*26(B)*

Physics: Fluid Mechanics and Aerodynamics - Bernoulli's Principle

SCI	RD	MATH	TECH	SS
2(B)	***11(A)***	***4(H)***	1(C)	**23(D)**
2(C)	**11(B)**			*26(A)*
2(D)	**18(C)**			
2(F)				
3(D)				
6(D)				

Physics: Newton's 3 Laws of Motion - Straw Rockets

SCI	RD	MATH	TECH	SS
1(A)	***2(B)***	*7(A)*		
2(A)	***2(E)***	*9(A)*		
2(B)				
2(C)				
2(D)				
2(E)				
2(F)				
2(G)				
3(A)				
4(A)				
6(A)				
6(D)				

Physics: Newton's 3 Laws of Motion - Eggbert

SCI	RD	MATH	TECH	SS
2(A)	**13(A)**	*1(A)*	4(B)	**23(D)**
2(B)		*1(B)*		*26(A)*
2(D)		*1(C)*		*26(B)*
2(F)		**3(A)**		
3(A)		*9(A)*		
6(D)				

Engineering: Engineering Design Process - Operation Bridge Quest & Eggbert

SCI	RD	MATH	TECH	SS
1(A)	***2(B)***	*1(B)*	1(A)	*26(A)*
2(B)	***11(A)***	*1(C)*	3(B)	*26(B)*
2(D)	**11(B)**	*1(F)*	3(D)	
2(F)	**11(D)**	*1(G)*		
3(A)		**3(A)**		
4(B)		***3(K)***		
5(A)		*9(A)*		

Engineering: 3-D Computer Aided Design - Lab Module, Submersible & Logo Tag

SCI	RD	MATH	TECH	SS
	13(A)	*8(A)*	1(A)	**23(D)**
			1(D)	
			2(A)	
			2(F)	
			3(D)	
			6(B)	
			5(A)	

Engineering: 3-D Computer Aided Design Rendering - DOD Satellite

SCI	RD	MATH	TECH	SS
	13(A)	*8(A)*	1(A)	
			2(A)	
			3(D)	
			5(A)	

Chemistry: Building Blocks of Matter - Molecular Models

SCI	RD	MATH	TECH	SS
5(A)				

Chemistry: Physical & Chemical Changes

SCI	RD	MATH	TECH	SS
1(A)	***2(A)***	*1(A)*		*26(A)*
2(A)	***2(B)***	*1(D)*		
2(B)	***2(E)***	*1(E)*		
2(C)		*1(F)*		
2(D)		**3(A)**		
2(F)		*9(A)*		
2(G)				
4(A)				
4(B)				
5(A)				
5(D)				

Chemistry: Building Blocks of Matter - Chromatography

SCI	RD	MATH	TECH	SS
2(D)				*26(B)*
2(F)				
2(A)				
2(B)				
2(E)				
2(F)				
3(A)				
3(D)				
5(A)				
5(C)				

Chemistry: Fluid Investigations

SCI	RD	MATH	TECH	SS
2(B)	***2(A)***	1(E)		
2(C)	***2(B)***	2(C)		
2(D)		3(K)		
2(F)		9(A)		
3(A)				
5(A)				

Technology: Nanotechnology - Miniscule Matters

SCI	RD	MATH	TECH	SS
2(A)	***2(A)***			**23(D)**
2(C)	***2(B)***			*26(A)*
2(F)				
3(A)				
3(D)				
5(A)				

Technology: Navigation & Mapping - Top Secret Mission

SCI	RD	MATH	TECH	SS
	13(B)	*8(A)*		*6(A)*
		8(B)		
		8(C)		

Technology: Innovations - Robotics Challenge

SCI	RD	MATH	TECH	SS
2(A)	***17(A)***	*1(A)*	2(F)	**23(D)**
2(E)		*1(B)*	3(D)	*26(B)*
3(A)		**3(A)**	4(B)	
		3(J)		
		3(K)		
		3(L)		