

Stunt Science Day at Stunt Ranch

Stunt Ranch Activities	Concepts Taught	Elementary TEKS	Middle School TEKS	High School TEKS
Embedded in all activities done at Stunt Ranch are safety, scientific inquiry, and critical thinking:				
		all grades: 1A, 2A-E, 3A-C, 4A-B	6th grade: 1A-B, 2A-E, 3A-E, 4A-B	IPC: 1A-B, 2A-E, 3D
			7th grade: 1A-B, 2A-E, 3A-E, 4A-B	Chemistry: 1A-B, 2A-E, 3D
			8th grade: 1A-B, 2A-E, 3C&E, 4A-B	Physics: 1A-B, 2A-E, 3D
snow & rain				
	solutions	5th: 7C		Chemistry: 12A, IPC: 9D&E
	pressure	4th: 7B		Chemistry: 7A-B
	force	3rd: 6A, 4th: 7B	8th: 7A, 7th: 6A&B, 6th: 6A&B	Physics: 4A-E
	properties of fluids	3rd: 7A-B, 5th: 7A	6th: 7B	IPC: 7A, Chemistry 4B
	mixtures and substances	4th: 7B, 5th: 7B	6th: 7B	Chemistry: 4C, IPC: 7E
zip line & pulleys				
	simple machines,	3rd: 5A-B, 5th: 5A-B	7th: 6A, 6th: 5A&B	IPC: 4C&D
	motion: speed, acceleration, gravity, friction	3rd: 6A	8th: 7A, 7th: 6A&B, 6th: 6A&B	Physics: 4A-E, 6A, IPC: 4A&B
	mechanical advantage			IPC: 4D
	vectors			Physics: 4A-E
	potential & kinetic energy		7th: 8A, 6th: 8A	
	work & energy theorem			Physics: 5A-D, IPC: 4A&B, 6A
	tension & tensile strength	3rd: 7A, 5th: 7A	8th: 9D	
smoke & wind				
	properties of fluids & bernoulli's principal,	3rd: 7B, 4th: 7B, 5th: 7A, C&D		IPC: 7A
	temperature & heat	3rd: 7A, 5th: 7A, 8A&C	8th: 10A	Chemistry: 12A, 5A-C, IPC: 6B
	states of matter & phase changes	3rd: 7B, 4th: 7A, 5th: 7A&C	8th: 10A	Chemistry: 5A-C, 4A-C, IPC: 8A
	solutions & solubility	5th: 7A&C		Chemistry: 12A, IPC: 9D&E
	chemical reactions		8th: 9A&C, 7th: 7A, 6th: 7A	Chemistry: 11A-C, 5A-C, IPC: 8C
	energy transformation		6th: 9A	Chemistry: 15A, 5A-C
	mixtures and substances	4th: 7B, 5th: 7B&D	6th: 7B	Chemistry: 4C, IPC: 7E
air cannon				
	mass	3rd: 7A, 5th: 7A	6th: 8A, 7B	Physics: 4A-E
	force	3rd: 6A	8th: 7A, 7th: 6A&B, 6th: 6A&B	Physics: 4A-E
	work			Physics: 5A-D, IPC: 4A&B
	energy transfer	3rd: 7B, 5th: 8D	8th: 7B, 6th: 9A	Physics: 5A-D, IPC: 5A, 6A&B
	momentum			Physics: 5A-D, IPC: 4A&B
rapelling				
	gravity	3rd: 6A		Physics: 6A
	friction		8th: 7A, 7th: 6A&B, 6th: 6A&B	Physics: 4A-E
	pulleys	3rd: 5A-B, 5th: 5A-B	7th: 6A, 6th: 5A&B	IPC: 4C
	tension/tensile strength	3rd: 7A, 5th: 7A	8th: 9D	

* TEKS that are in bold type are tested on their respective grade level TAKS test. (Google docs won't let me bold only a portion of the cell, this will happen when it gets published and exported to Excel)