Newton's Attic Field Trip Worksheet

_	neering Process There are 7 steps in the engineering process. How many can you name?		
	1		
	2		
	3		
	4		
G F 0	Acceleration is a change in		
2.	A is used to amplify force and pull the cart back.		
3.	Two types of energy are and		
_	Ballista Great is required to pull back the bow strap.		
2.	The coiled ropes store energy.		
3.	. When the pumpkin or melon is flying through the air, it has energ		
4.	The projectile follows a pathway.		
Rocl	kets Pressure is defined as		
2.	When the rocket blasts from the end of the barrel, what kind of energy does it have		
3.	What type of energy is this converted into?		
	What purpose do the fins on the rockets serve?		
5.	The nose cone makes the rocket more		
	Itron		
1.	Why was the multi-axis trainer invented in the first place?		

2.	What is center of gravity?		
3.	What is a degree of freedom, and how many does SPINtron have?		
4.	What is an axis?		
5.	. How many axes does SPINtron have?		
	Science	at Newton's Attic	
Thin	gs you will learn abou	ut today:	
1.	Simple Machines		
2.	Stored Energy		
3.	Mechanical Advantage		
Thre	ee different simple ma	achines used today at Newton's Attic	
1.		found on	
2.		found on	
		found on	
3.			
	ee examples of stored		
Thre	ee examples of stored		
Thre	ee examples of stored	energy:	

2	used to
3	used to