Name:

Due Date: September 16, 2016

College & Career Awareness Technology and Engineering, Skilled Technical Science Pathway Nature of Tech in Society

Overview: A rocket, as defined in Wikipedia, is a missile, spacecraft, aircraft or other vehicle that obtains thrust from a rocket engine. Most rocket engines carry propellants that are burned or combusted to give it thrust. A rocket moves forward by throwing this exhaust or burning gas backwards at a high speed. The earliest rockets date back to the 13th century in China when saltpeter, or gunpowder, was developed. Today, rockets carry payloads into space like our communication satellites.

Essential questions: What data would be most helpful to collect and analyze to discover the optimal rocket form of a straw rocket?

Terms:

Force – strength or power exerted upon an object

Motion – A change in position of an object

Thrust – to drive with force

Center of gravity – the place in a system or body where the weight is evenly dispersed and all sides are balanced.

Hypothesis – an educated guess

Checklist:				
Draw a line against this ruler that shows 13/16 th of an inch.				
↓Start here				
Monday Record input about collecting data				
Draw the Engineering process in your input (watch Prezi)				

Watch video http://video.pitsco.com/default.aspx?vID=68&gID=-1 as a class				
Wednesday Draw a line that measures 2 and 7/16 th of an inch ↓start here				
tape			1/2 3/4 1/8 3/8 5/8 7/8 1 3 5 7 9 11 13 15	
Record a table in your output that contains the data that your team finding most useful. There will need to be at leave 3 columns				
	Data point	Data point	Data point	
Trial 1			•	
Trial 2				
Trial 3				
Only change ONE data point per trial. You must show Ms. Emily your chart before each launch.				
Friday				

Record input about Nontraditional careers (What barriers stand in your way to the career of

_____ In your output record 4 examples of non traditional careers for a man and 4 for women.

Draw a line that measures 283 mm long.

your choice?)