MISSION TO KENNEDY SPACE CENTER Field Investigation #8 – Balloon Rocket Fun!

Crew Members Present for Investigation:

Problem: How will adding weight to a balloon traveled?	rocket affect its speed and distance
Scientific Background: Space rockets work becarforce, there is an opposite force (or for every rewhen a rocket pushes the fiery exhaust down towarocket up to space! The same thing happens with forces air out backward, the air pushes the balloon (Acceleration is decreased by increased mass (hey, the	action there is an opposite reaction). ard Earth, the exhaust also pushes the this balloon rocket. When the balloon and rocket) forward.
Materials: straw, long piece of string or fishing line chairs, watch or clock with second hand, measuring etc.	
3. Tape the gallon bag to the straw.	bag. Move your rocket assembly to one end of the string and release! 5. Record in your Journal how far and how long it took to travel. 6. Add weights to the bag and repeat steps 4 and 5. 7 You may also try launching your balloon rocket at an angle or vertically.