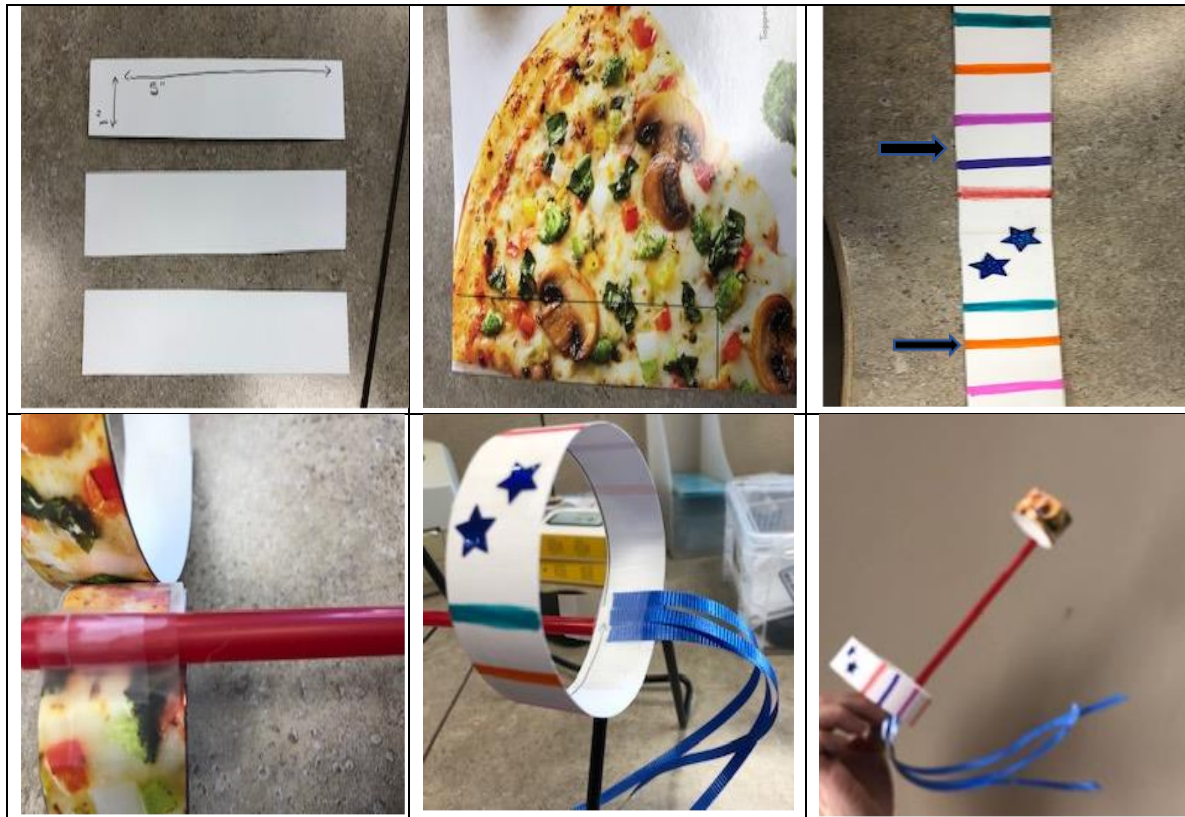


This is Ms. Susan from the Shorewood Public Library. This summer we have celebrated the Summer Reading program theme, "Tales and Tails", with all different projects. We will continue the celebration with another type of "tail" activity. The tail of an airplane serves different purposes, with the main purpose creating stability. There are tail fins which are horizontal and vertical. We will create a glider plane and use different size rings and positioning to experiment with stabilizing the glider travel pattern. We can use "tail" streamers to see the affect to stability of the flight pattern.



1-Using heavy paper, cardboard, or cardstock. Cut three strips that are approximately 1" by 5". You could even cut strips from a cereal or pizza box. Take two of these strips and attach them together with tape to make one long one. You can color or decorate your strips. Tape this large strip together to make a large circle. Take the third strip and tape the ends together to make a smaller circle.

2- Tape the circles to each end of a straw with the circles on top. You can add string, ribbon, or yarn to the back end to see how this affects the flight pattern. Make another glider, placing the circles in different positions to see if this changes how the glider moves. The larger circle creates air resistance from the "tail" end while the smaller circle keeps the glider on a straight course. Have a challenge with friends or family to see whose glider can go the farthest. This is a fun tale for indoors or outside.

The skies are open to possibility!

Ms. Susan

