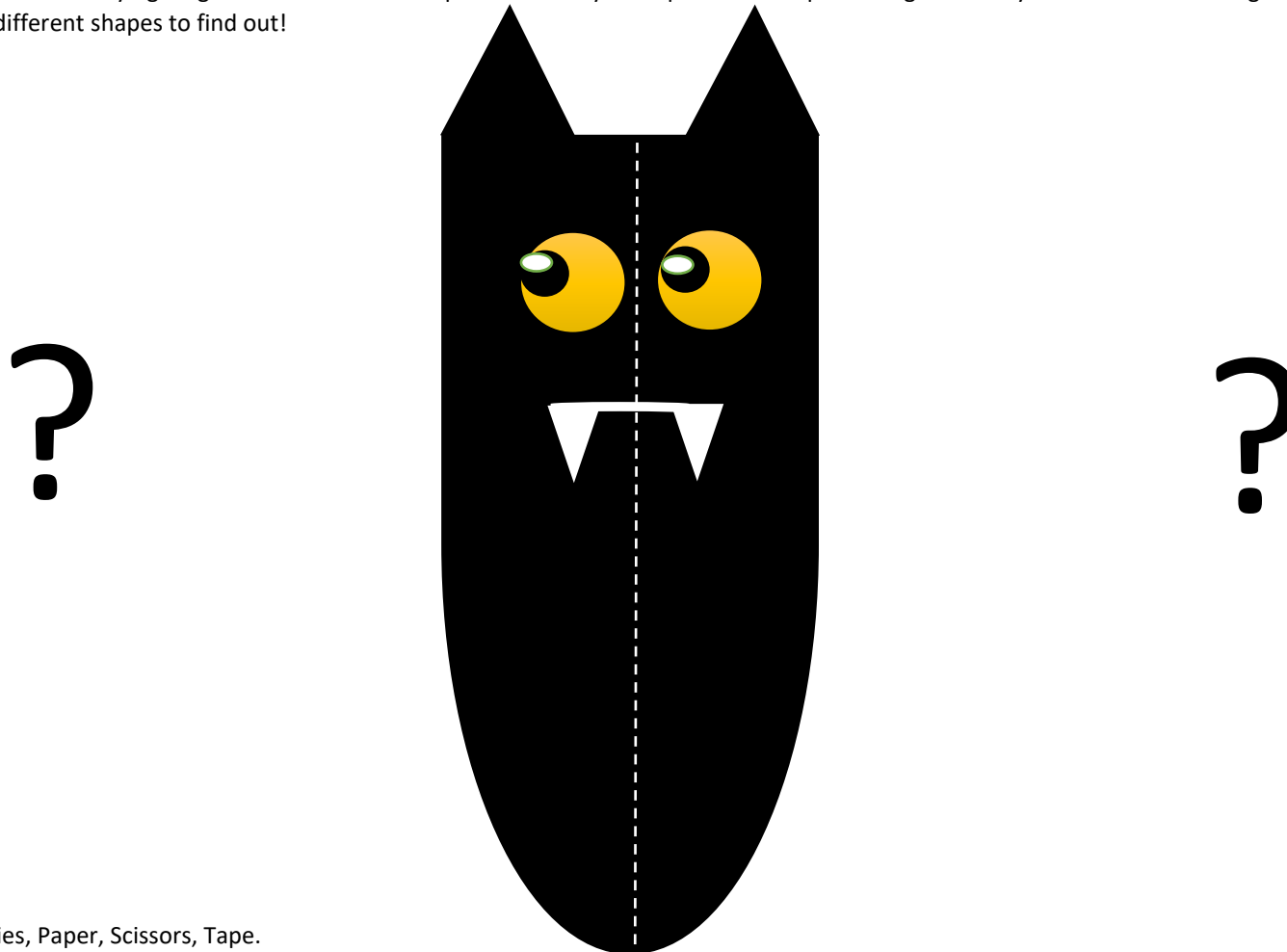




“STEMaluna” Challenge

What shape of wings is best for flying long distances? Which shape is best to fly in loops? What shape of wings can carry the most mass? Design wings for this bat flyer and experiment with different shapes to find out!



Materials: Paper Clips, Pennies, Paper, Scissors, Tape.

- 1) Think about your wing design and draw it out. Why do you think this is a good design?
- 2) If you want both wings to be identical, fold your bat on the dotted line before cutting it out.
- 3) Fold the wings and add a paper clip at the front of the bat's body to add weight.
- 4) Toss your bat like you would a paper airplane and observe how it flies.
- 5) Test different designs (longer wings, shorter wings, wider wings, round edges, straight edges, etc.). You can also add pennies to add more weight.
- 6) Tell us about your favorite design and what you have discovered!