

Hot Air Balloons



Head up in the clouds? Us too!

Set your sights higher with these hot air balloons made with paper weaving.

Supplies:

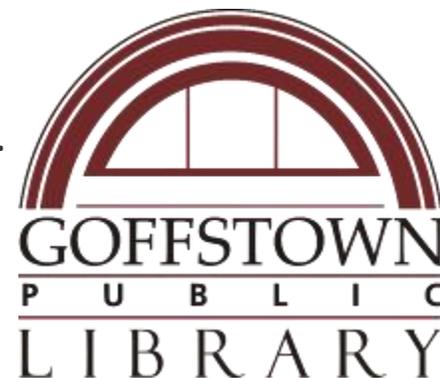
- Twelve (12) paper clips
- Two (2) pieces of colored card stock
- Twelve inches (12") fishing line
- [Pattern](#) by Papermatrix
- Scissors
- Tape / Writing utensil
- Glue stick

Instructions:

** For instructional videos, visit [PaperMatrix](#) on YouTube.*



1. Cut out the pattern pieces (**Fig. 1**).
2. Tape or trace pattern pieces onto card stock (**Fig. 2**). Cut out two (2) pinwheels and one (1) of each basket part along all solid black lines (**Fig. 3**).
3. Using a paper clip, push a small hole into the middle of both pinwheels. Tie a knot in one (1) end of the fishing line.
4. Layer the pinwheels so the spokes spiral in different directions, as in **Fig. 4**. The color on top will be referred to as the dominant color. In the case of the figures, that color is red.
5. Thread the fishing line through both pin wheels.
6. Begin weaving. See **Fig. 5**. The first round will weave the dominant color under the subordinate color. The second round will weave the subordinate color under the dominant. The third will weave dominate under subordinate, and so on.
7. Continue weaving (**Fig. 6**). Keep the weave tight by holding onto one (1) spoke of each color and gently pulling in opposite directions every so often. A completed, tight round will look like **Fig. 7**.
8. Continue weaving for several rounds until your piece resembles **Fig. 8**. You should be able to distinguish four (4) rounds including the middle/first round.
9. On the next round, the piece will begin to curve. To hold the curve in place, secure each weave with a paper clip (**Fig. 9**).



10. Continue weaving (**Fig. 10**). After one round, your results should resemble **Fig. 11**.
11. Continue weaving until you can distinguish eleven (11) rounds including the middle/first round. Your result will look like **Fig. 12**.
12. Weave a twelfth (12) round. As you go, secure the weave with glue (**Fig. 13**). Don't worry about perfectly lining up the edges; the basket and rigging will cover the raw edge. Let dry.
13. While the balloon is drying, assemble the basket. Bend the rectangle into a cylinder, meeting the edges at the small cut in the rectangle, as in **Fig. 14**. Secure with glue.
14. Turn the piece over so the cylinder faces away from you. Apply glue to the edges of the circle on the side closest to you. Tuck edges up into the cylinder. Your result should look like **Fig. 15**. Let dry.
15. Now assemble the rigging. Complete the circle by overlapping the edges of the rigging. Meet the edges at the small cut. Push spokes down into a loose cone. See **Fig. 16**.
16. Attach the rigging to the basket. Apply glue to rigging spokes and secure to inside of the basket. Your result should look like **Fig. 17**. Let dry.
17. Once dry, attach the basket and rigging to balloon. Apply glue to the bottom of the balloon and fit the raw edge into the rigging. Your result should look like **Fig. 18**. Let dry.
18. Tie a loop into the fishing line for easy hanging.

Share with us!

- Post your finished product to your favorite social media site using #goffstownlibrary
- Visit the library - we'd love to see what you make!



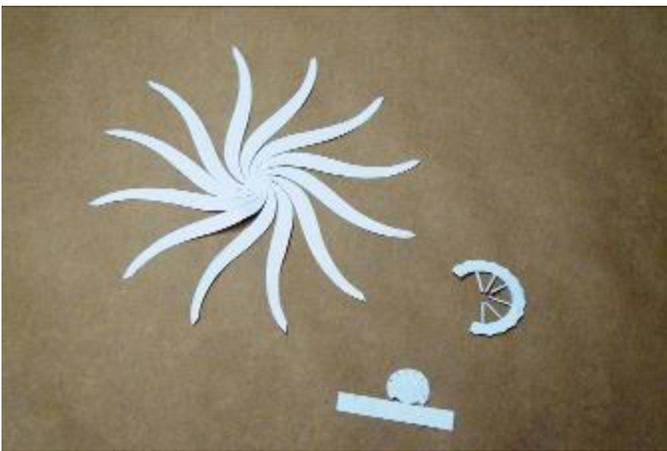


Figure 1



Figure 2

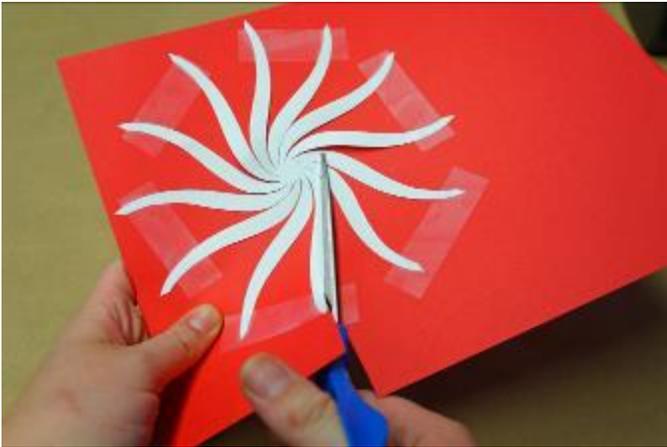


Figure 3

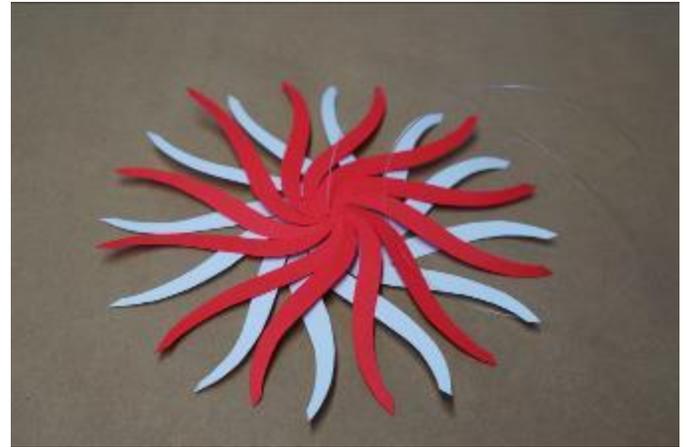


Figure 4

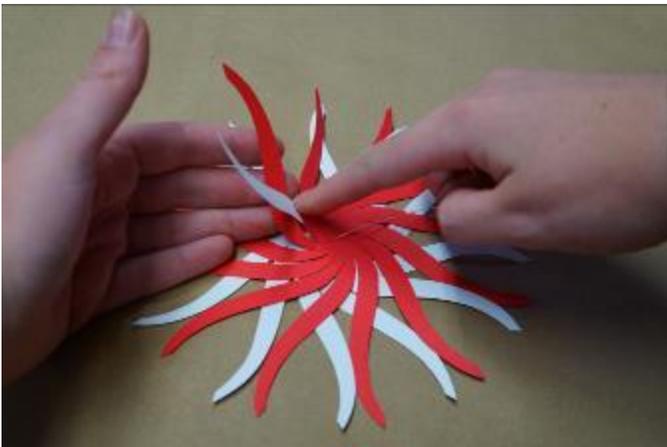


Figure 5



Figure 6



Figure 7





Figure 8



Figure 9



Figure 10

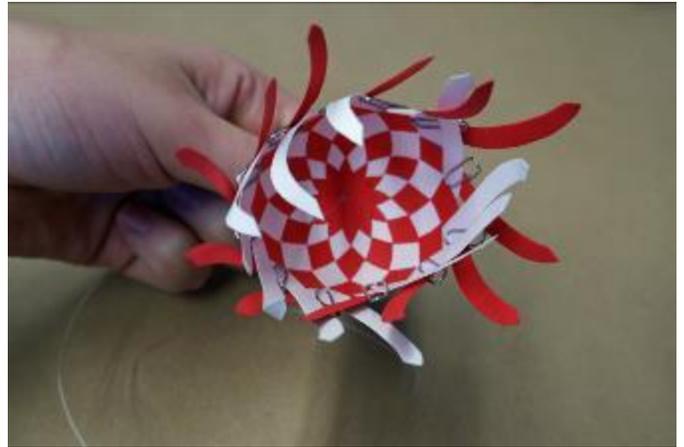


Figure 11

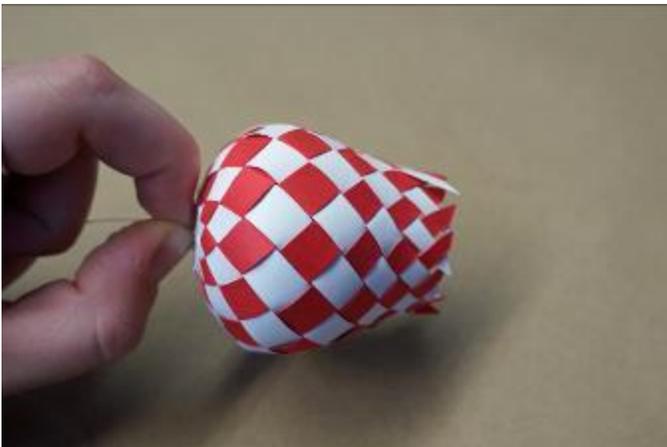


Figure 12



Figure 13



Figure 14



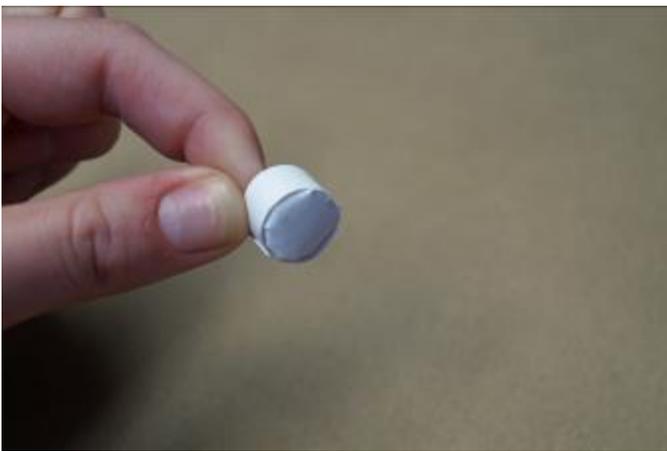


Figure 15

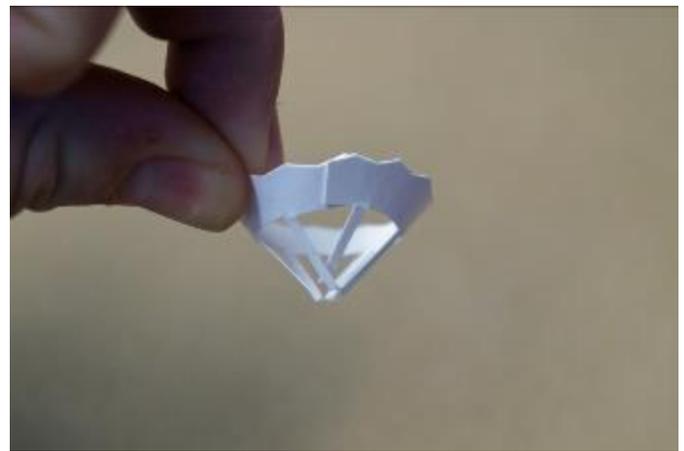


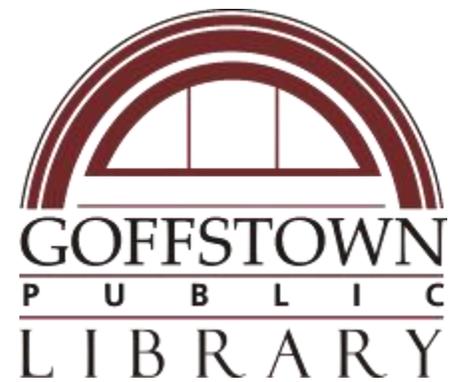
Figure 16



Figure 17



Figure 18



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