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Due: 9/25/2018

How to Make a 3-D Paper Snowflake

Audience: Arts and crafts enthusiasts of any age. Primarily English language audience.

Materials:

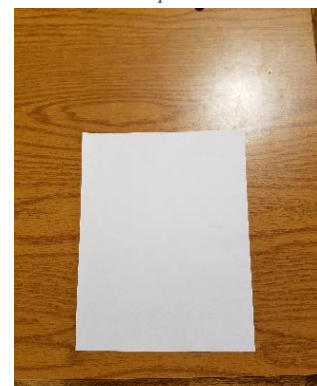
- 6x pieces of 8.5" x 11" copy paper
- 1x stapler
- 1x roll of scotch tape
- 1x scissor

⚠ CAUTION: EXERCISE CARE WITH USE OF SHARP OBJECTS SUCH AS SCISSORS AND PAPER.

1: Resizing the Paper

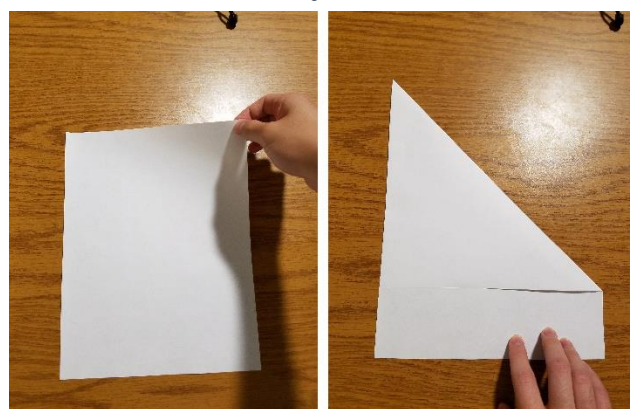
1.1: **Orient** a single page of copy paper **vertically** (the long side is from top-down).

Step 1.1

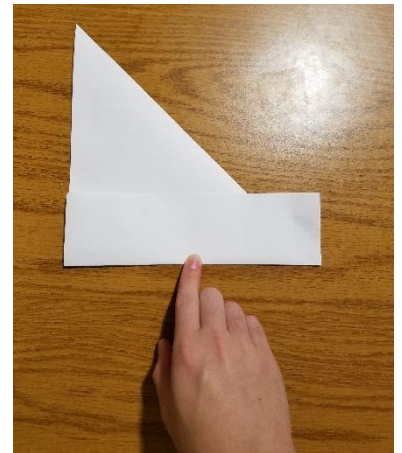


1.2: **Grip the top-right corner** of the paper, and then **fold the paper** diagonally. The top part of your paper should look like a triangle and there should be some extra room on the bottom.

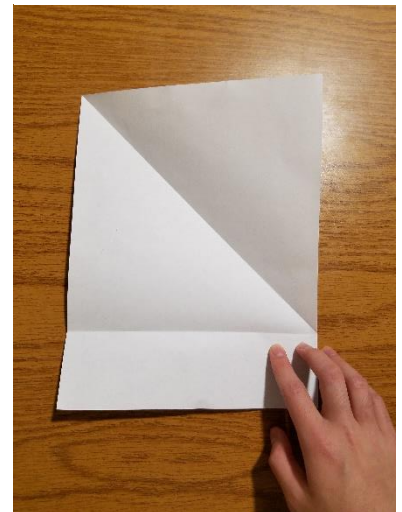
Step 1.2



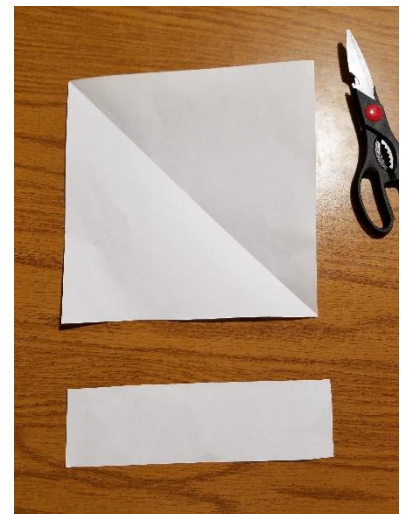
1.3: **Grip the bottom edge** of the paper and take the bottom part and **fold it inward** to the triangle.

Step 1.3

1.4: **Unfold** the fold paper entirely.

Step 1.4

1.5: **Cut** the bottom portion of the paper off along the fold that you made in step 1.3 and **discard** the rectangular edge. Your paper should look like a square now.

Step 1.5

2: Cutting the Paper

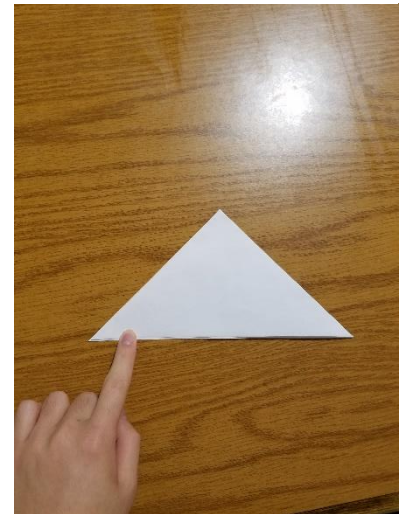
2.1: **Refold** the paper using the crease that you made in the first step. It should look like a triangle.

Step 2.1



2.2: **Fold** the paper another time diagonally in half. It should look like a smaller triangle.

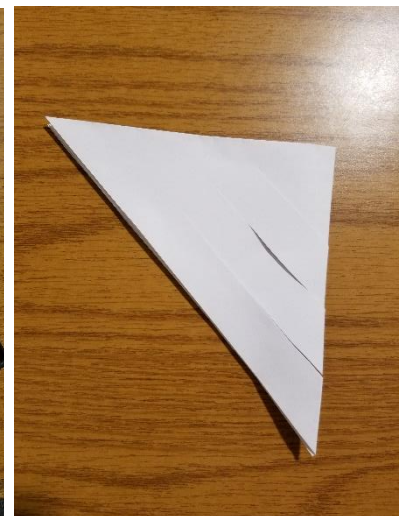
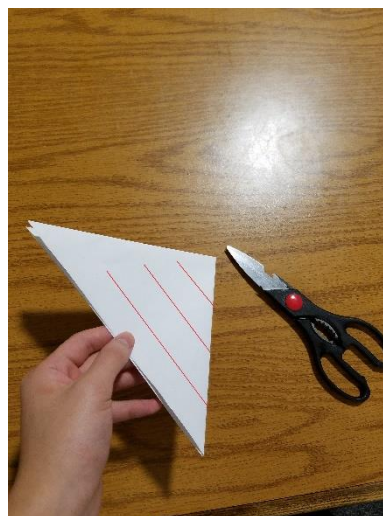
Step 2.2



2.3: **Make Three Cuts** on the paper along the fold that you made. Refer to the image on the right.

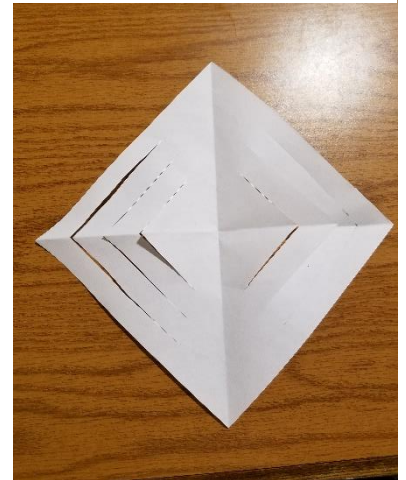
Make sure you start the cut from the **folded** edge, and NOT on the side with two flaps.

Step 2.3



2.4: **Unfold** the entire paper.

Step 2.4

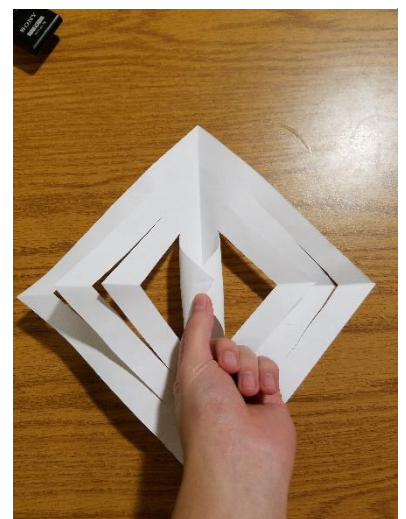


3: Rolling the Paper into a Leaf

3.1: **Flatten** the paper as much as you can.

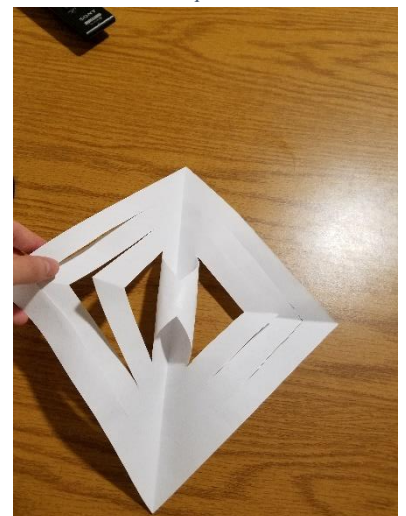
3.2: **Grab** the two inner most triangle flaps and **hold** them together in a **roll**.

Step 3.2



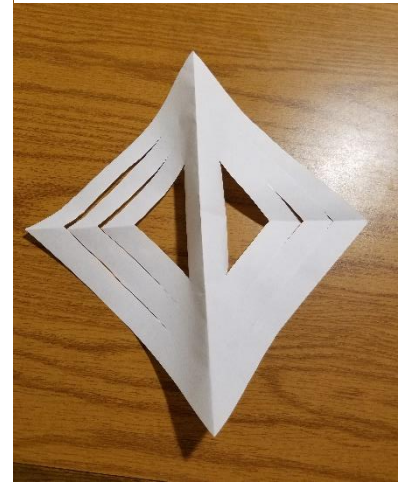
3.3: **Tape** them together with a small piece of scotch tape at where they join.

Step 3.3



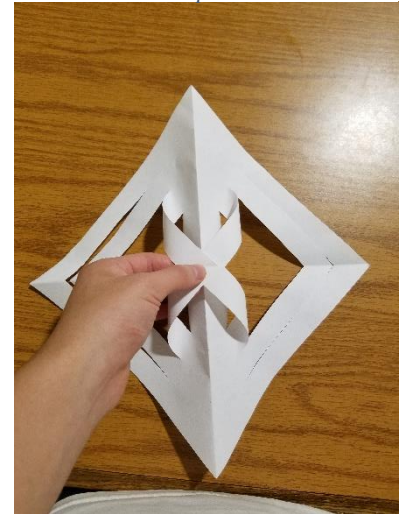
3.4: **Flip** the paper over onto the other side.

Step 3.4



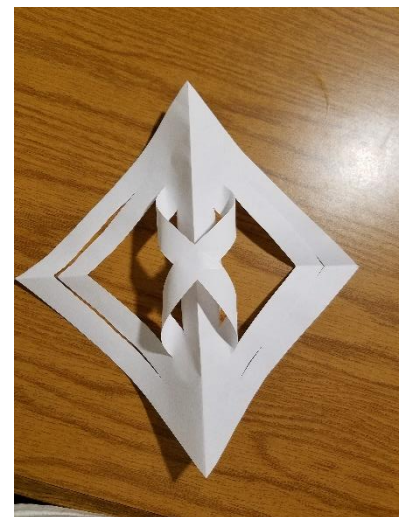
3.5: **Grab** the next two inner most triangle flaps and **hold** them in a **roll**.

Step 3.5



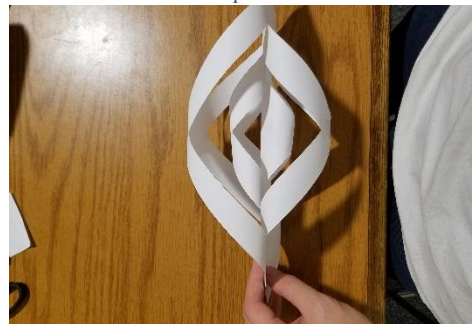
3.6: **Tape** the two triangles together with a small piece of scotch tape.

Step 3.6



3.7: **Repeat** steps 3.4 to 3.6 until you have taped together all the triangle flaps. After you complete this, it should look like the figure on the right.

Step 3.7



4: Repeat Steps 1 to 3

4.1: **Repeat** steps 1 to 3 on the remaining five pieces of paper for a total of six leaves.

5: Joining Three Leaves

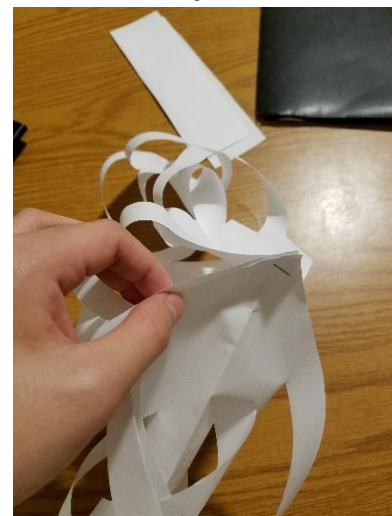
5.1: **Hold** three leaves and **join** them at the tips.

Step 5.1



5.2: **Staple** them at the tips to combine them.

Step 5.2

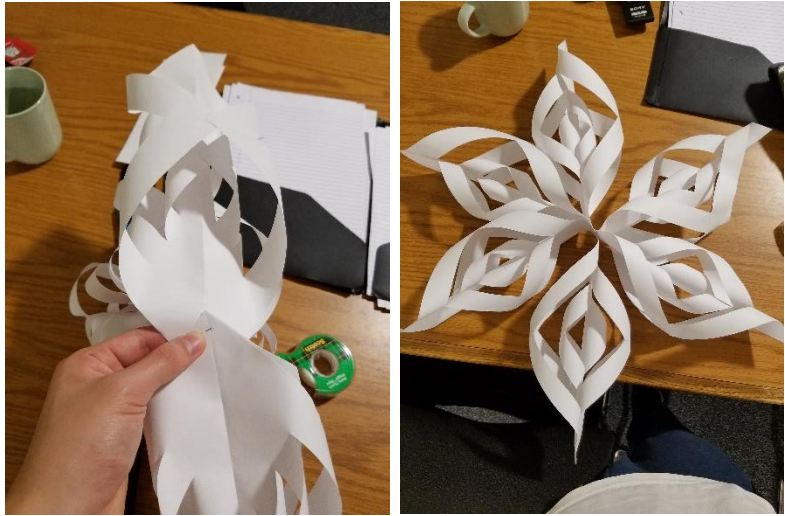


5.3: **Repeat** this on the other three leaves.

6: Completing the Snowflake

6.1: **Join** the two triplets of leaves together at their tips and **staple** them together at the joint.

Step 6.1



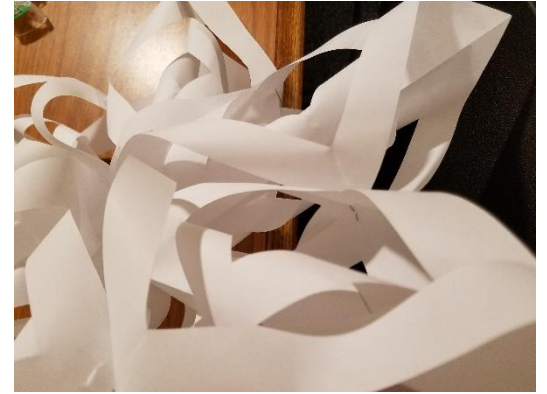
6.2: **Hold** the arms of adjacent leaves (leaves that are next to each other) together and **staple** them together at where your fingers are holding them together.

Step 6.2



Step 6.3

6.3: **Repeat** step 6.2 on all unstapled adjacent leaves.



6.4: **Congratulation!** Your snowflake is complete.

Step 6.4



Conclusion

You should now have a fully completed 3D paper snowflake. You can hang your snowflake up on the wall during winter as a stylish decoration. You can also teach this arts and craft activity to children as a fun project.