



AUTHORIZED AMA
STE(A)M PROGRAM

QUICK PROJECT SNOW FLAKE FLYERS



AN OFFICIAL COMPETITION OF THE ACADEMY OF
MODEL AERONAUTICS EDUCATION DEPARTMENT

MODELAIRCRAFT.ORG | AMAFLIGHTSCHOOL.ORG

SCIENCE STANDARDS

3-PS2-2 – Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

SUPPLIES

Standard 8.5"x11" paper

Scissors

Markers, colored pencils, or crayons
(for decoration)

Printer (if you would like to use template)

CHALLENGES

Cut a different number of shapes into your snowflakes. Do snowflakes with more shapes cut out fall faster than snowflakes with fewer shapes cut out?

Make your snowflakes out of different kinds of paper. Does the type of paper change how fast the snowflake falls?

MORE FUN AWAITS

Visit the AMA Flight School and discover more activities!

<https://www.amaflight.school.org/home-activities>

SNOWFLAKE FACTS!

- Snowflakes are symmetrical. If you fold a snowflake in half, the two sides will match.
- Most snowflakes have six sides, just like your paper snowflake will!
- Snowflakes fall slowly. They fall at a speed of about 3 to 4 miles per hour.

INSTRUCTIONS

Numbers on template correspond to the instructions below!

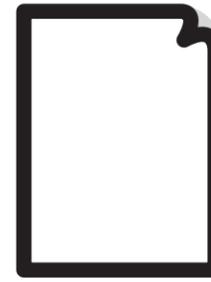
1. Start with a regular piece of printer paper. Fold the bottom right corner to line up with the left edge of the paper. Cut off the extra paper attached to the folded triangle. Unfold the triangle, and you'll see that you have a perfect square.
2. Fold the paper diagonally with the crease on the paper. You should have a triangle with one 90-degree angle.
3. Fold this triangle in half so that the two 45-degree angles match up. You will have a smaller triangle with one 90-degree angle.
4. Turn the 90-degree angle so that it is pointing toward you. You will need to fold this triangle into thirds. Take one of the 45-degree angle corners and line its edge up to the middle of the 90-degree angle. Fold the remaining corner so that its edge lines up with the other edge. Cut off the extra triangles at the top so that you have a three-sided triangle.
5. Draw some shapes. Try triangles, circles, squares, and even some fancy shapes that you don't see every day! Make sure you do not cut any of the sides completely off, because then your snowflake might fall apart.
6. Unfold your snowflake and look at the pattern! If you made a snowflake with others, check out the different patterns you made!
7. Throw your snowflake up in the sky and watch it float down.

BE CREATIVE

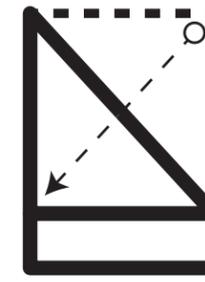
Decorate your snowflake using markers, crayons, colored pencils, stickers and more! Not sure how you want your snowflake to look? Check out the National Model Aviation Museum's Digital Collections to get inspired by visiting this link!



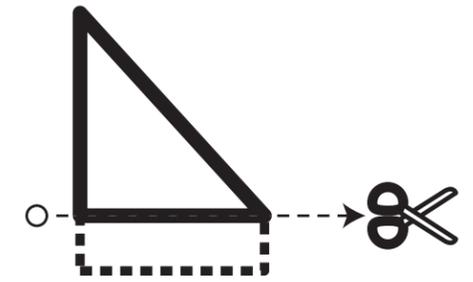
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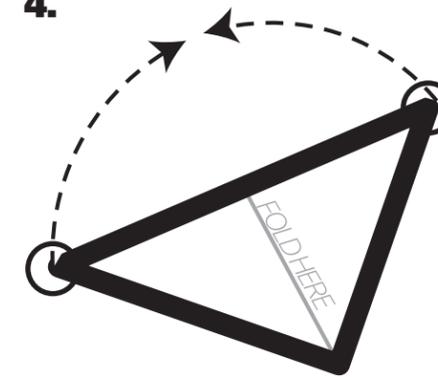
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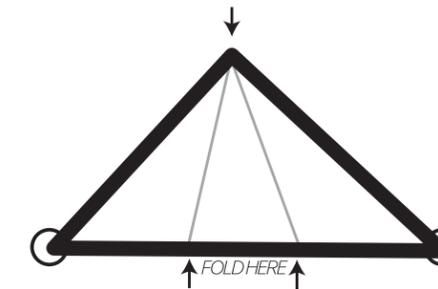
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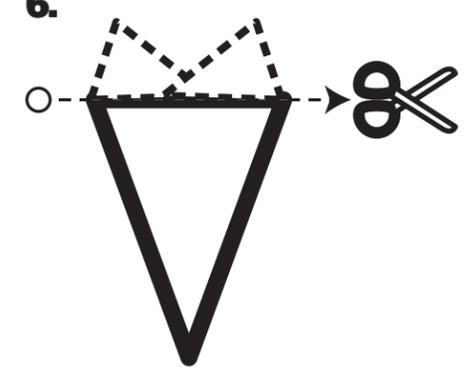
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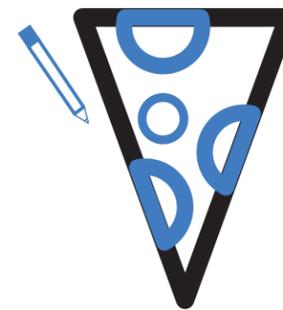
5.



6.



7.



8.



9.



10.

