WINTER BREAK ACTIVITIES

Join Orville and the NASA Aeronautics team for some hands-on fun. Create an X-59 snowflake, build a plane, color and draw. Are you going on a trip? Make a travel book and take Orville with you!

Earn an endorsement stamp to your Flight Log for completing any of the Winter Break Activities. Simply enter DEC2022 to your endorsement page once you complete an activity. Don’t have your Flight Log yet? Sign up [here](https://www.nasa.gov).

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**Craft Stick Aircraft**

**INSTRUCTIONS:**
2. Cut smaller sections of craft sticks for the tail sections
3. If making a rotorcraft, create an X-shape with two sticks for the rotors
4. Fold along line 4, making sure that the outline of the plane is visible after folding.
5. Fold along line 5, making sure that the outline of the plane is visible after folding. Cut the bottom of the tail.
6. Cut along the dashed lines. Be sure to leave the space on the wingtips.
7. Fold the square in half diagonally, along line 2. Make sure you fold it so the side with the number is on the outside.
8. Cut around the outside of the square (line 1).
9. Paint or markers
10. Glue
11. Utility or hobby knife
12. Wood or school glue also works

**MATERIALS:**
- Double sided tape (optional)
- Craft knife (optional)
- Score board (optional)
- Screw driver (optional)
- One Mirrored card stock
- Screw Posts
- Small clamps or binder clips
- Strong hole punch or awl or paper piercer
- Ruler
- Scissors
- Two 8.5x11” 65 lb. pieces of fabric
- Chip board or other thinner cardboard for cover material (can be used as a substitute for cereal boxes)
- Color by Number

**X-59 Snowflake Patterns**

- Be sure to leave the space on the wingtips.

**Flat Orville Template**

**My Log Travel Book**

**X-59 3D Model Files**

**Jr. Pilot Book (English)**

**Connect the dots & color Orville’s picture (English)**

**Color by Number**

**X-59 Snowflake (English)**

**Spanish version**

**Orville’s picture (English)**

**Color by Number**

**Spanish version**

**Travel Logbook**

**Spanish version**