

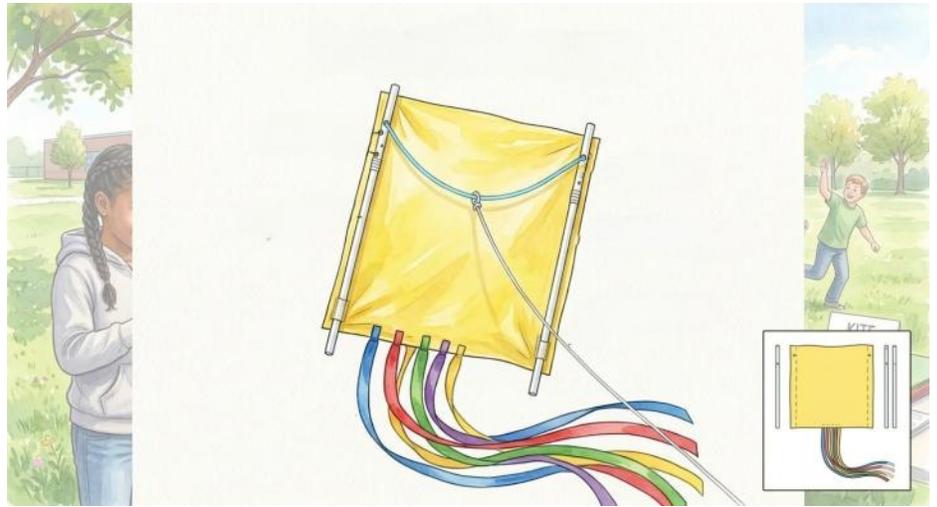


Name: _____

STEM Challenge - Build a "Sled Kite"

Materials:

- One large plastic trash bag or a piece of cardstock
- Two drinking straws (the "spars")
- Tape
- String
- Hole punch



Instructions:

1. Shape: Cut your paper or plastic into a large rectangle.
2. Support: Tape one straw vertically on the left side and one straw vertically on the right side. These act as the "bones" of the kite.
3. Bridle: Punch a hole near the top of each straw. Tie a piece of string (about 2 feet long) connecting the two holes. This is your bridle.
4. Line: Tie your long ball of kite string to the exact center of the bridle string.
5. Test: Take it outside on a breezy day and see how it catches the wind!

Stép 5, Břínř Ĺ Dówn Sáćéŷ

Slowly wind the string back onto the spool as you walk toward the kite. Never let go of the string—your kite could fly away!

Now you're ready to enjoy the thrill of flying a kite. Happy flying!

Fúń Tip, Try flying with a friend! One person can launch the kite while the other holds the string.

1. Number the steps below from 1 to 6 to show the correct order for flying a kite:

- ___ Bring the kite down by winding the string
- ___ Check the wind and weather
- ___ Gently pull the string as the kite climbs
- ___ Find an open area away from trees
- ___ Attach the string to the kite's bridle
- ___ Hold the kite up and release it into the wind

2. What would **MOST LIKELY** happen if someone tried to fly a kite without a tail?

- A) The kite would fly higher than usual
- B) The kite might spin or crash because it wouldn't be balanced
- C) The string would break in strong wind
- D) The kite would change colors