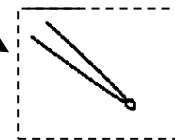
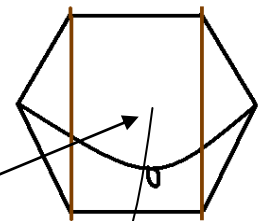
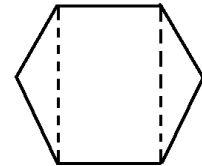


Instructions for making a Sled Kite

Materials you need:

- 11x17 paper
- Scissors
- Tape
- 2 wooden skewers with tips cut off
- 24" string for bridle string
- String wrapped around a popsicle stick for flying string

1. Print out kite on 11x17 size paper.
2. Color and decorate your kite (inside the black lines)
3. Cut on the solid black lines.
4. Lay cut-out flat on table and fold on the dotted lines towards you.
5. Lay one wooden stick on each dotted fold line and tape it down on each end.
6. Take **bridle string** (short string) and fold it so there are two equal parts then tie a loop in the middle.
Later you will tie your flying string onto this loop.



7. Tape each end of the bridle string to the wing corners.
8. Tie your flying string (which is wrapped around the wooden stick) to the bridle.

Try these variations to your kite and experiment with the Aerodynamics (the study of objects moving through air) of flight!

- Cut a vent towards the middle bottom. Does this improve the flying of your kite?
- Add paper tails to your kite. Does this make your kite more stable or weigh it down?
- Move the bridle string lower or higher on the kite. What happens?
- Make a bigger Sled Kite using a large garbage bag and wooden **dowels** (large wooden rods).
- Does a bigger kite fly higher than a smaller kite?
- Try flying your kite in different winds. Does your kite fly better in light or strong winds?

