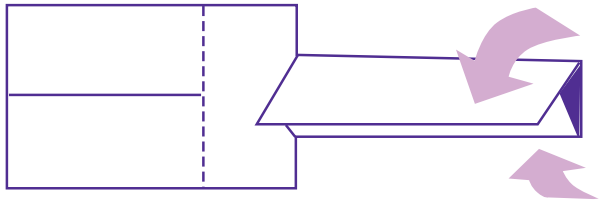
Many species of plants take to the air to **scatter** their seed.

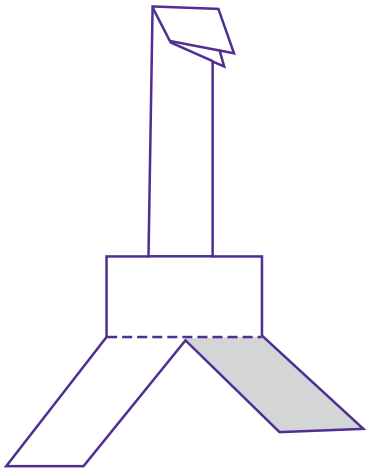
Understanding how seeds spread can be important for growers.

Carefully

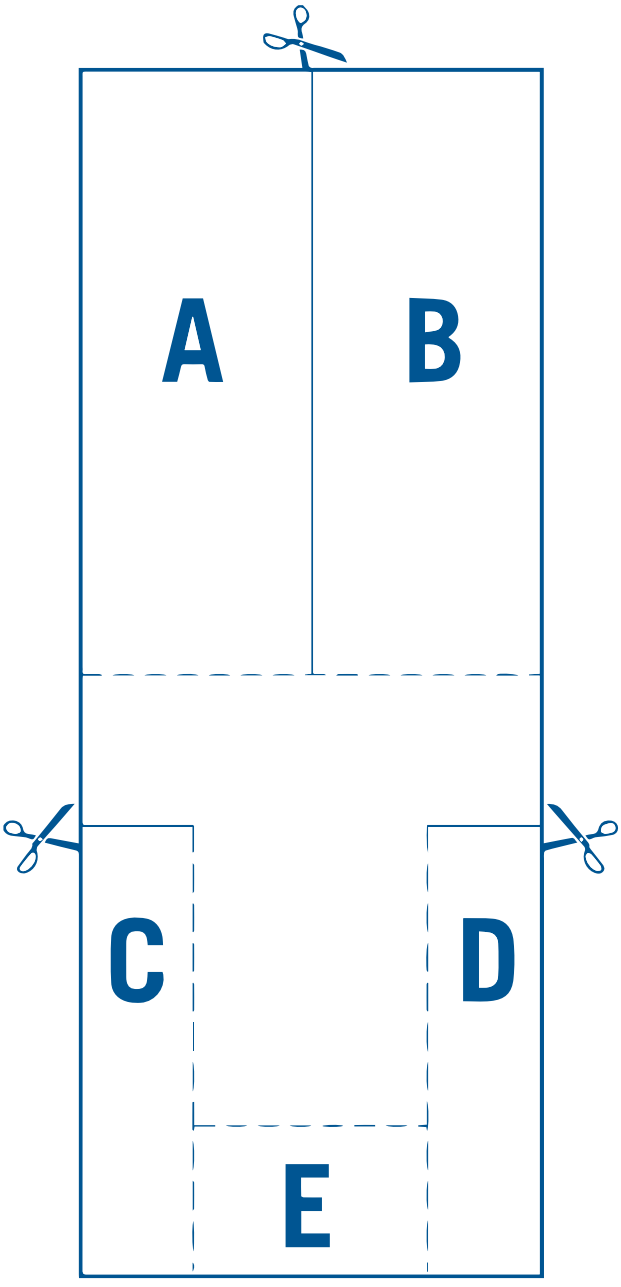
- cut out the helicopter template
- cut along the solid black lines
- fold along the dotted lines as shown below.

- Test your helicopter ten times each.
- Record the results and calculate the data for the group.



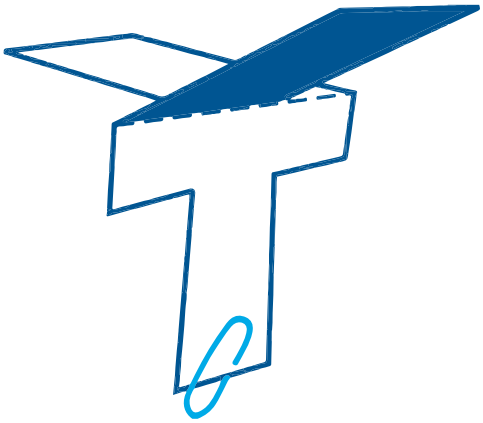


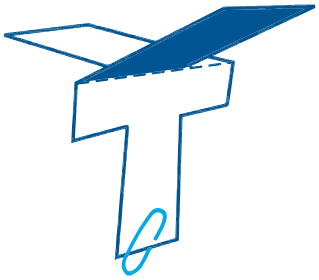
HELICOPTER TEMPLATE



BUILD A HELICOPTER

1. Cut along all the solid lines.
2. Fold flap A forward along the dotted line and flap B back.
3. Fold flaps C and D forward along the dotted lines.
4. Fold flap E upward.
5. Use one paper clip to hold flap E in place.
6. Your helicopter should look like this.
7. Be sure to put your name somewhere on the helicopter.
8. To launch, hold the helicopter by the wings and drop (with the paper clip at the bottom).



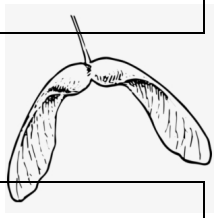


Spinning Seed STEM Challenge

1) Now that you have created a Paper Helicopter Seed, test it and watch how it falls to the ground.

2) Draw a picture of you testing your creation.

3) Go out into your community and find a Maple helicopter seed

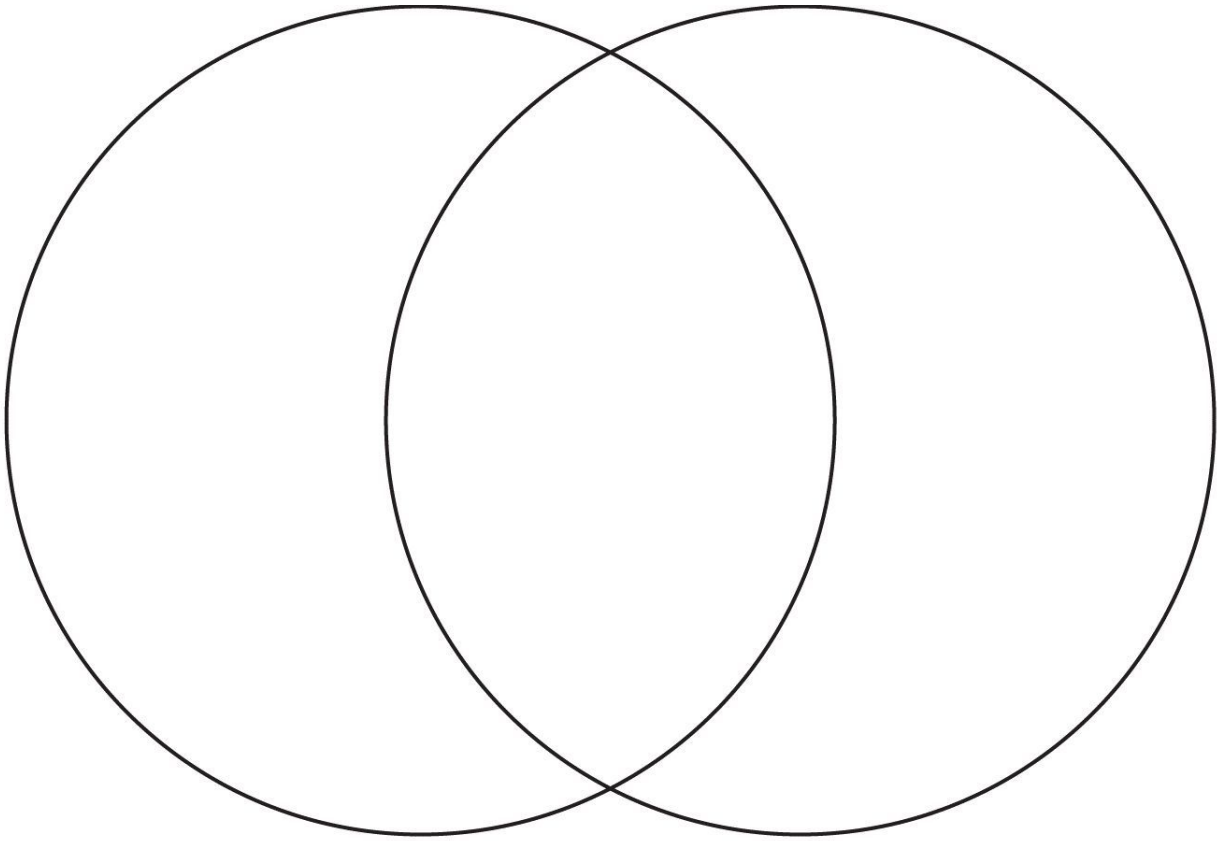


4) Draw a picture of the maple seed you found.

5) Now test your maple seed and watch it as it falls. Draw a picture.

6) Using the Ven-Diagram below list 2 differences and 2 similarities between the paper helicopter and the maple seed.

Paper helicopter Maple Seed



7) **Expand your thinking:** Why do you think nature has created a helicopter seed? (*Hint: think about the weather, and a dandelion seed head!)*