

BIRD HELPER AIRBORNE TRANSPORT DESIGN CHALLENGE



Anisoptera Seeds



Pine Tree



Clematis Seeds



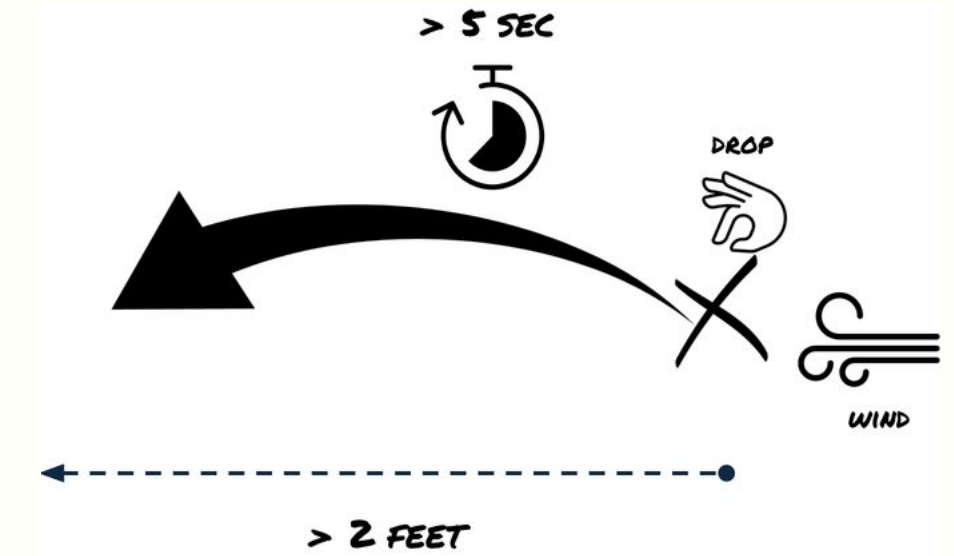
Maple Seeds



Dandelion Seeds

BACKGROUND

In a certain region in the world, scientists are studying a remote population of endangered birds that are having trouble finding sources for food. They have proposed a small experiment to research the pros and cons of providing food for the birds. Design a device that carries a small capsule full of insects to areas where the birds live.



OBJECTIVES

Design and build a device that will carry a plastic bead in the air:

- For at least 5 seconds
- For at least 2 feet away from the drop location

LINK TO RESOURCES

- [ANISOPTERA TREE SEEDS](#)
- [DANDELION SEEDS](#)
- [MAPLE TREE SEEDS](#)
- [PINE TREE POLLEN GRAIN](#)
- [CLEMATIS SEED HEADS](#)

BE BIOMIMETIC!

Use the process of biomimicry to design a mechanism capable of dispersing a seed in the air to a farther location. Your device must use biomimicry as inspiration from at least one organism.