



Wonder  
Project

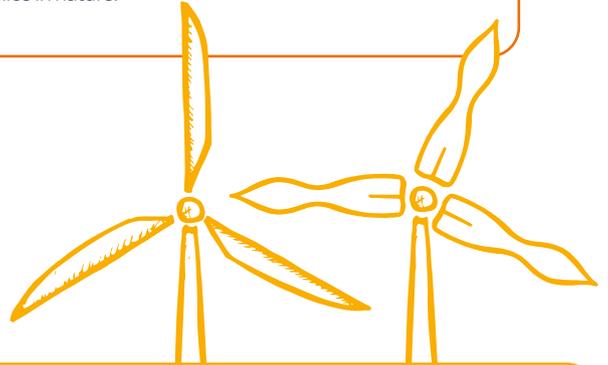
## Power Challenge

## Activity 3.2: Blade design

**Imagine and plan some aerodynamic blade designs that will help you achieve your challenge goals.**

Draw some 2D and 3D blade designs, using what you've learned about aerodynamics in nature.

**Tip!** Think about what features and shapes will power-up lift and decrease drag.



### Imagine

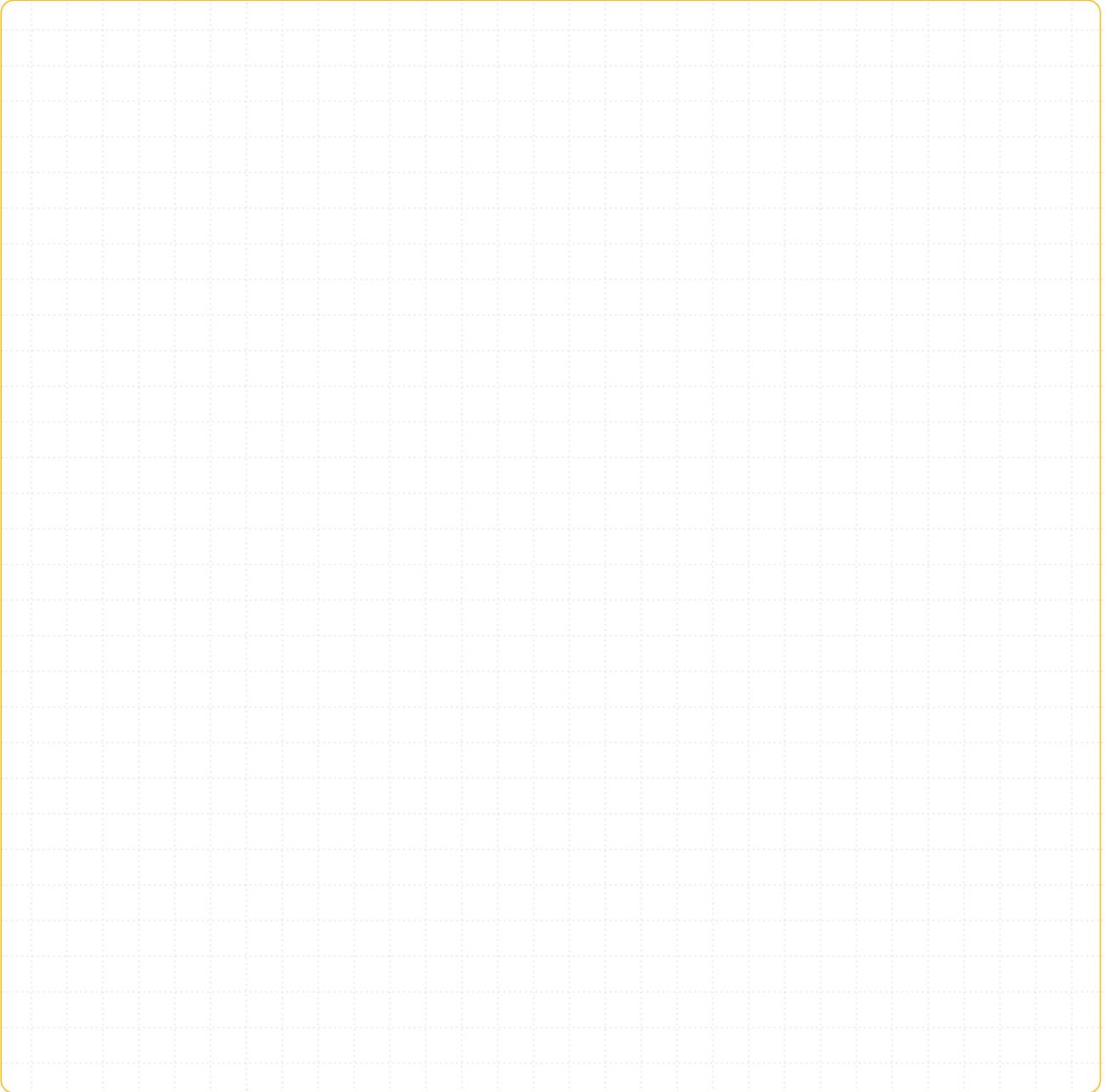
#### Blade design ideas

# Plan

## I wonder which solution is best?

Decide on your final blade design. Then, draw it in the grid, making it the same size and shape you want your actual blades to be. You might like to use a ruler to check measurements.

### Our final blade design:



What aerodynamic design features have you used in your blade design?

A rectangular box with a thin orange border, intended for writing the answer to the question about aerodynamic design features.

What materials do you need to create your blades?

A rectangular box with a thin orange border, intended for writing the answer to the question about materials needed for the blades.