



Biomimicry

copying nature to solve human problems

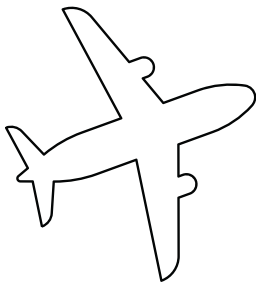


Definition of Biomimicry:

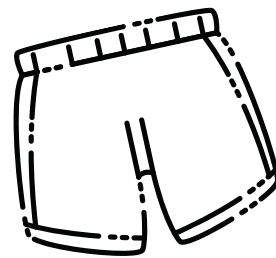
bi·o·mim·ic·ry. /ˌbɪoʻmiməkri/. noun

the design and production of materials, structures, and systems that are modeled on biological entities and processes.

Inventions that are inspired
by shark adaptations:



Airplane airfoils



Olympic swimsuits

Shark skin, made up of dermal denticles, is structured to reduce drag and generate lift so they can move smoothly and efficiently through the water. With the goal of decreasing drag and increasing the efficiency of movement through air or water, scientists have based plane design and Olympic swimsuits after the structure of dermal denticles.

Design your own piece of technology or new invention that is based on an adaption that your favorite shark species has!

What shark species and adaption is your invention based on?

What does your invention do?

What materials do you need to build your invention?



Name of your invention: _____

Draw your invention here:

