

## What is biomimicry

Biomimicry is when people solve problems with ideas from nature. Lots of things around us are inspired by nature.

## Devices that have been inspired by Biomimicry

- Gecko Climbing Feet.
- Kingfisher-Inspired Bullet Train.
- Armadillo Backpack.
- Survivor-Locating Spider.

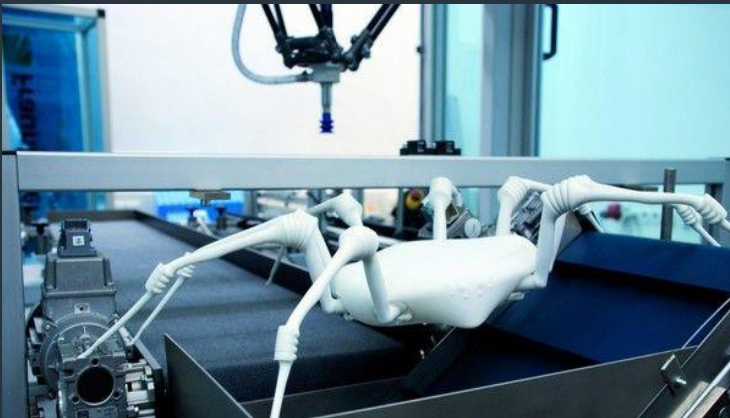
Geckos can stick to surfaces because their bulbous toes are covered in hundreds of tiny microscopic hairs called setae. ... The system makes it possible for geckos to stick and unstick their feet so quickly that they can scurry across surfaces at 20 body lengths per second.



In a world where scientists are using nature's best ideas and imitating natural designs and processes to solve human problems, a kingfisher can inspire a bullet train. ... They were getting so fast that the typical bullet shape was causing a loud booming sound when these trains would exit typical train tunnels.

## Survivor-Locating Spider

Could you imagine a disaster locating drone that had the manoeuvrability of spiders? Well, luckily German Researchers at Fraunhofer Institute did. Inspired by spiders' ability to squeeze through tight spaces and turn on the spot, they developed an ideal model for life-saving robots.



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**Designed by Cyclus, this innovative backpack takes its inspiration from the Armadillo, a creature with an incredibly versatile shell that features an interesting blend of hard, durable, firm and flexible textures. By taking the design of an Armadillo's shell and applying it to luggage products, Cyclus has created a unique style of cases that are both stylish and durable.**



## What bugs will be attracted to your bug hotel

Although bees are well-known for their role as pollinators, they are not the only pollinators that can be attracted to an insect hotel. Other beneficial insects include beetles, butterflies, green lacewings, leaf miners, white flies, mole crickets, cabbage worms, hummingbirds, and bats.

Bug hotels can be made in many different shapes from slanted sides to cylinders. The most interesting way I think is honeycomb



The reason I think Honeycomb is the best is because it looks amazing it would attract any bug and you can fill it up with loads of stuff and make different patterns

Materials that you need for bug hotels are

- Old wooden pallets.
- Strips of **wood**.
- **Straw**.
- Moss.
- Dry leaves.
- Woodchips.
- Old terracotta pots.
- Old roofing tiles.