

The logo for 'Project GREEN CHALLENGE' is centered within a white hexagonal frame. 'Project' is written in a teal cursive font with a leaf icon above the 't'. 'GREEN' is in large, bold, teal block letters. 'CHALLENGE' is in smaller, teal block letters below. The entire logo is surrounded by a dotted teal line.

# Project GREEN CHALLENGE

## EMPOWOMENT

**Team name:**

EmpoWoment

**Username:**

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**School:**

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# Biomimicry

Today I read the Natural Produce Preservative Packets Inspired by Plants by GreenPod Labs. It was very surprising for me to know that between 40 and 60 percent of all the products that are grown are discarded before being consumed, especially because while tons of food are thrown away, there are one billion people around the world who face hunger every day.

Unfortunately, this deterioration also employs about a quarter of fresh water supplies, and emits greenhouse gases, and all for food that will never be consumed.

GreenPod Labs has devised a way to leverage the unique natural signaling substances of different fruits and vegetables and capture them in small envelopes that can be placed in specific product boxes, where compounds are gradually lifted into the air, to send signals to the transported products. When floating on the product, they trigger a large number of chemical responses to combat this waste.

Now I know that it is very important that we value the magnificent characteristics that nature presents, that we have a real interest in the functioning of the organisms of the planet and that we take advantage of it for our benefit, whether artistic or products.

Biomimicry gives us a valuable opportunity to connect with our environment and be aware of the urgency of its conservation. There are many possibilities of products and services that can exist thanks to these models and that can also be more friendly to our planet.

I think biomimicry systems can be easily implemented in our school. Structurally, our facilities can be adapted to mimic forms of nature and thus be more ergonomic, more aesthetic or more accessible. We already use many such systems in many industries, so it is already applicable to almost all aspects of my life and I hope that this kind of research will continue because they improve, save and preserve life on our planet Earth.

# Link



# Biomimicry



## Caption:

Biomimicry is the scientific, research-based art of replicating nature's forms, processes, and ecosystems to create regenerative designs. Biomimicry gives us a valuable opportunity to connect with our environment and be aware of the urgency of its conservation.

We are sure that this kind of research will continue because they improve, save and preserve life on our planet Earth.

