



SCIENCE CAREER
ADVENTURES



Roberto the Environmentalist: Cities with Clean Energy

Meet Roberto!



Hi! My name is Roberto, and I am an environmentalist.

An environmentalist is a scientist who finds ways to protect the environment. The environment includes land, air and water. The environment also includes animals and plants!

Here are a few examples of projects that environmentalists work on:



Reducing air pollution in cities.



Making a new law to protect endangered elephants.

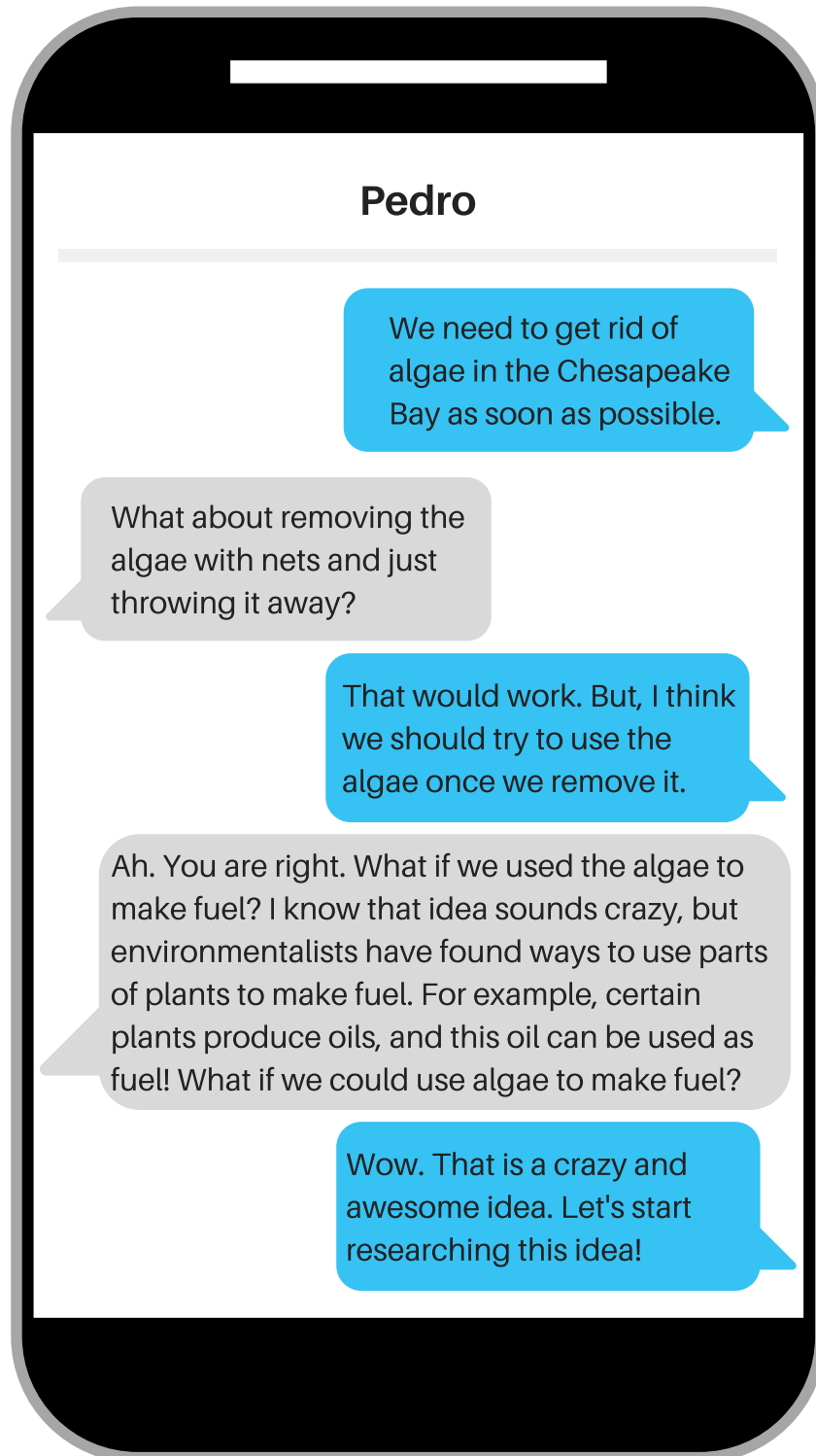


Finding a way to clean up oil that has spilled in the ocean.

What I am Working On

Right now, I am working on a problem. There is too much algae in the Chesapeake Bay! Plants and fish can die where there is too much algae in the water.

I need to find a way to get rid of algae in the water. I decide to text my friend, Pedro. Pedro is also an environmentalist! We love brainstorming ideas together. Check out our text messages!



Asking for Help

Pedro and I don't know a lot about how algae can be used to make fuel. We need to FaceTime an engineer who builds machines that can extract fuel from the Earth. We can ask the engineer if it is a good idea to use algae to make fuel!



We decided to FaceTime our friend, Amal! Amal is an engineer who builds machines to extract fuels from plants.

We are excited to ask Amal about her opinion on whether we should use algae to make fuel!

Talking With an Engineer

Here is what Amal told us:

- Using algae to make fuel is a great idea because it releases less pollution into the air than other types of fuel. When coal is used as fuel, it releases a lot of pollution into the air. Check out what the air looks like when coal is burned to make fuel!
- Using algae as fuel is also a good idea because there is a lot of it! Because there is always a lot of algae growing in the water, there will always be enough to make fuel. On the other hand, there is only a limited amount of coal on Earth.



Next Steps

The next step is to make a plan to see if we can actually use algae to make fuel!

