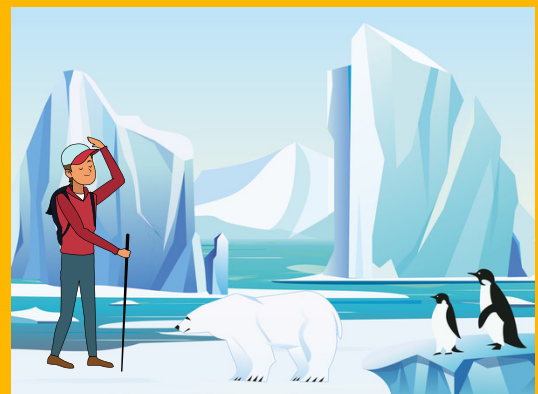# Jack the Glaciologist:

Exploring Ice

Meet Jack!

Hi everyone! My name is Jack, and I am a glaciologist. A glaciologist learns about huge blocks of ice, called glaciers.

Did you know?
There are glaciers all over the world. You can find glaciers in Ireland, Tanzania, and Antarctica.

Water on Earth

As a glaciologist, I know a lot about water and ice.

Most of the water on Earth is a liquid. This means it can flow and move. Some examples of liquid water are rivers, lakes, and oceans.

Some of the water on Earth is solid. When water is solid, it is called ice! Ice is hard and doesn't flow. An example of solid water is a glacier!

Right now, I am in Greenland. Greenland is a country that has glaciers. I want to figure out if glaciers in Greenland are melting. When glaciers melt, they go from solid water to liquid water. This is similar to when an ice cube melts!

Tools and Equipment

As a glaciologist, I use a lot of different tools and special equipment. Here are a few examples!

I use a drill to dig into a glacier. When I dig into the glacier, I can tell how deep the ice is. I can also see if there are any bugs that might live in the ice!

I use a camera to take pictures of glaciers. I put the camera in a special pouch that is waterproof. That way, the camera won't get damaged if it gets wet!

I put crampons on my boots. Crampons are metal plates that have spikes on them. The spikes poke into the ice so I don't slip and fall while walking on ice.

Taking Pictures of Glaciers

Today, I am taking pictures of a glacier in Greenland. I am also going to make observations about what the glacier looks like. For example, I am going to write down whether any parts of the glacier look like they are melting.

My plan is to come back to Greenland next year and take more pictures of the glacier. I will also write down more observations. That way, I can compare the pictures and see if the glacier looks different. I want to see if the glacier looks like it melted during the year!