After so much traveling, Rosie and Gibbs fell asleep exhausted.

What?! We have to say hi! I’ve never met a human before...

Rosie, wake up! I see people!

Emma, I bet they will know what the blue box is.

Emma bit cold. Let’s get inside the ICL!

Rosie, who’s there?

Who’s there?

Hello over there!

Real, did you hear that??? Probably just another winterover.

Hello, we are Rosie and Gibbs, and we’re on an adventure!

Come with us to the IceCube Lab. We’ll tell you more.

We are Rosie and Gibbs, and we’re on an adventure!

There are snow!

Come with us to the IceCube Lab. We’ll tell you more.

Cold so that’s what this is...

Oh, so that’s what this is...

No kidding! You’re standing on a giant telescope!

A telescope right below my feet?!

There are snow!

A telescope right below my feet?!

Hello over there!

We are Rosie and Gibbs, and we’re on an adventure!

There are snow!

Hello over there!

Hahahaha! Hi, you are funny.

I think it’s a... a penguin?

Nonsense! There aren’t penguins at the South Pole!

Who’s there?

Em... Emma who?

Emma.

Knock knock. Who’s there?

Em... Emma who?

Rosie.

Em... Emma, wake up!

Em... Emma, I see people!

I think it’s a... a penguin?
**THE VIEW WAS SPECTACULAR, BUT IT WAS A LONG WAY DOWN!**

**THIS IS ICECUBE:** A CUBIC KILOMETER OF ICE FILLED WITH OVER 5,000 LIGHT SENSORS.

**WOW! THIS THING IS MASSIVE!**

**SEE THAT PINK LIGHT? IT’S PRODUCED WHEN A NEUTRINO INTERACTS WITH THE ICE.**

**NEUTRINO EVENT**

**MAYBE YOU SHOULD BECOME AN ICECUBER, TOO.**

**SOUNDS LIKE A PLAN BUT OUR FIRST PENGUIN ICECUBERS WILL NEED SOME TRAINING TO SURVIVE AT THE SOUTH POLE.**

**BEAUTIFUL! I COULD WATCH THIS ALL DAY.**

**REALLY? I THINK IT’S SUPER WARM...**

**SWITCH YOUR GOGGLES TO DISPLAY VIEW. AWESOME, RIGHT? THAT’S HOW WE SHOW A NEUTRINO EVENT.**

**YES! TRY THESE SPECIAL GOGGLES AS WELL. THEY LET YOU SEE BELOW THE ICE.**

**ANY CHANCE WE CAN GET THAT AWESOME SOUTH POLE GEAR, TOO?**

**WHOA! THIS THING IS MASSIVE!**

**I’LL DIG AND FIND THE TELESCOPE!**

**GOOD TRY! BUT THE DETECTOR IS ALMOST 2 KM DEEP!**

**DON’T WORRY, ROSIE. WE CAN HELP YOU OUT!**

**ROSIE, WHAT WERE YOU DOING?**

**WHAT A BRAVE AND SILLY PENGUIN.**

**THANKS, EVERYONE. I DIDN’T REALIZE HOW BIG THIS DETECTOR WAS!**

**DID ANYONE SEE WHERE ROSIE WENT?**

**GOOD TRY BUT THE DETECTOR IS ALMOST 2 KM DEEP!**

**OH-OH, MAYBE I DIG A BIT TOO FAR...**

**THE VIEW WAS SPECTACULAR, BUT IT WAS A LONG WAY DOWN!**

**ROSIE AND GIBBS FELT TOTALLY COOL IN THEIR NEW WINTEROVER GEAR.**

**REALLY? I THINK IT’S SUPER WARM...**

**WOW! THIS THING IS MASSIVE!**
Winterovers are the few people who spend the long, dark winter at the South Pole. From February to October, which is wintertime in Antarctica, planes can’t land at the Pole and the winterovers are totally isolated.

IceCube Lab (ICL)
The ICL is the only IceCube structure visible, since the detector is buried in the ice. It hosts racks of computers that collect lots of data all the time.

Detector
The IceCube detector consists of a grid of light sensors, called DOMs, attached to 86 cables, or strings, spread out over a cubic kilometer of ice. So, “Ice”+“Cube” is actually an appropriate name for this detector.

Neutrino
Neutrinos are tiny particles that travel through the universe. They are like light except that they sail through everything, even the entire Earth!

Neutrino Event
Scientists create colorful displays to show what happens as a result of a neutrino interacting with the ice in or around IceCube. A red DOM indicates the first light that was seen, while green and blue represent light seen later. The size of the bubble tells us how much energy was detected.

IceCuber
If you work at IceCube, whether or not you are a scientist, you are an IceCuber. I’m excited to be the first penguin on the team!