

# 7 - The Two Scientists

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(Please feel free to edit the speaker names if incomplete or inaccurate. Names are handled on a best-effort basis depending on the info on the source file. Dialogue is left as is.)

**[00:01] Luna**

I-It came out pretty nicely, huh?

**[00:04] Luna**

In Xeno's words, it's extremely...

**[00:11] Luna**

elegant.

**[00:15] Senku**

Luna...

**[00:18] Senku**

Was Doctor Xeno a former NASA scientist?

**[00:22] Luna**

How did you know?!

**[00:30] Senku**

Doctor Xeno...

**[00:32] Senku**

He got me started on rocket building.

**[00:40] Senku**

He's my science mentor.

***SIGN*** The Two Scientists

**[02:32] (Flashback) Senku**

All right.

**[02:34] (Flashback) Senku**

Here we go.

**[02:35] (Flashback) Taiju**

Okay.

**[02:51] (Flashback) Senku**

What caused that?

**[02:54] (Flashback) Taiju**

Dang it!

**[02:55] (Flashback) Taiju**

I don't get any of it.

**[03:02] (Flashback) Taiju**

You can look up rocket secrets  
on your computer, huh?

**[03:07] (Flashback) Taiju**

You can read English?!

**[03:08] (Flashback) Taiju**

You're amazing, Senku!

**[03:10] (Flashback) Senku**

No, not at all.

**[03:12] (Flashback) Senku**

Nothing beyond "This is a pen."

**[03:14] (Flashback) Taiju**

What's a "Desuizu"?

**[03:16] (Flashback) Senku**

Then again, most of the articles are in English.

**[03:19] (Flashback) Senku**

I have to do the best I can  
with a dictionary in hand.

**[03:22] (Flashback) Senku**

Just scouring articles will only get you so far.

**[03:25] (Flashback) Senku**

You can save time sharing  
information with colleagues.

**[03:28] (Flashback) Senku**

That's how science works.

**[03:36] (Flashback) Taiju**

And you're sending that all over the world, huh?

**[03:39] (Flashback) Senku**

That's right.

**[03:41] (Flashback) Senku**

I'm practically a spammer.

**[03:51] (Flashback) Staff A**

We got a question from an  
elementary school student.

**[03:53] (Flashback) Staff A**

"Why is the sky blue when space is black?"

**[03:57] (Flashback) Staff B**

That's adorable.

**[03:58] (Flashback) Staff B**

Give them a good answer.

**[04:00] (Flashback) Staff A**

This one's from an elementary  
school student in Japan.

**[04:02] (Flashback) Staff B**

Senku-kun, huh?

**[04:05] (Flashback) Staff B**

He must have put in a lot of  
effort to write it in English.

**[04:08] (Flashback) Staff C**

Let's see...

**[04:15] Senku; text**

*I started off my rocket research modding  
the hell out of a car turbocharger,*

**[04:19] Senku; text**

*but I'm hitting a stupid number of brick walls  
trying to decipher papers by brute force.*

**[04:23] Senku; text**

*The first problem was with the oscillating  
component of the firing pressure.*

**[04:26] Senku; text**

*I managed to get the intermediate  
frequency oscillatory combustion error*

**[04:30] Senku; text**

*down to 7% by running a computer simulation.*

**[04:35] Senku; text**

*There's no way I'm doing that on my potato  
PC, though. Not in ten billion years.*

**SIGN** So I set up a VPN server on a lab server at the university my dad taught at

**SIGN** and used the supercomputer there to optimize the structure of the fuel injector, and...

**[04:42] (Flashback) Staff A**

*I'm pretty sure he's confessing  
to some crimes here.*

**[04:45] (Flashback) Staff B**

*Nah, there's no way any elementary  
school kid could be like this.*

**[04:48] (Flashback) Staff B**

*It must be a prank by some grown-up.*

**[04:50] (Flashback) Staff C**

*Either way, we can't get involved.*

**[04:53] (Flashback) Staff C**

*Ignore him.*

**[05:10] (Flashback) Taiju**

*Nice, Senku!*

**[05:11] (Flashback) Taiju**

*You got a reply from someone  
who actually works at NASA!*

**[05:15] Senku**

*Pipe down.*

**[05:18] Xeno**

*I've included the math below,*

**[05:20] Xeno**

*but long story short, the nozzle will  
need to be made of niobium alloy.*

**[05:24] Xeno**

*Doctor Senku, I suspect that you  
are being led astray by noisy data.*

**[05:30] Xeno**

*You must be using subpar equipment.*

**[05:33] Xeno**

*You should get your hands on a  
resistance thermometer that has a*

**[05:37] Xeno**

*rhodium-platinum alloy heat sensor.*

**[05:39] Xeno**

*From Dr. X of NASA.*

**[05:45] (Flashback) Taiju**

Here you go, Senku.

**[05:47] (Flashback) Senku**

Thanks.

**[05:50] (Flashback) Taiju**

So you need to buy this  
thermometer in the photo, huh?

**[05:53] (Flashback) Taiju**

Think they have it at the 100-yen store?

**[05:54] (Flashback) Senku**

How much does this thing even cost?

**SIGN** platinum

**SIGN** Platinum-rhodium Alloy Thermometer Sensor

**SIGN** Free Shipping

**SIGN** 50,000 Points (10%)

**SIGN** Add to Cart

**[06:13] (Flashback) Byakuya**

Senku!

**[06:15] (Flashback) Byakuya**

I can't believe you came all  
the way to the US for me!

**[06:18] Byakuya**

You missed me that much, huh?

**[06:18] (Flashback) Senku**

Yeah, skip the pleasantries  
and just give me the thing.

**[06:23] (Flashback) Senku**

The magic card.

**[06:24] (Flashback) Byakuya**

S-Sure...

**[06:27] (Flashback) Senku**

The demon's credit card that lets you  
buy anything science-related for free

**[06:34] (Flashback) Senku**

when an astronaut enters training in the US!

**[06:36] (Flashback) Byakuya**

How do you know about that?

**[06:38] (Flashback) Byakuya**

I mean, it's a real thing, but Google  
won't even tell you much about it.

**[06:43] (Flashback) Byakuya**

You're going home already?!

**[06:45] (Flashback) Byakuya**

What are you, one of those people who lost  
on the plane in All-American Ultra Quiz?!

**[06:49] (Flashback) Senku**

Generation gap, old fart.

**[06:51] (Flashback) Senku**

I don't get your reference.

**[06:53] (Flashback) Byakuya**

When are you coming to the US for real?!

**[06:55] (Flashback) Senku**

When the credit card expires  
and I need to renew it.

**[06:57] (Flashback) Byakuya**

Aren't you being a bit too cold to your old man?!

**SIGN** Platinum-Rhodium Alloy Resistance Thermometer

**SIGN** Xenon Gas

**SIGN** Phase-Contrast Microscope

**SIGN** Thermal Camera

**[07:10] (Flashback) Taiju**

So much expensive-looking gear!

**[07:12] (Flashback) Taiju**

Not that I know what any of it is.

**[07:14] (Flashback) Senku**

I could make do without it, but hey.

**[07:18] (Flashback) Senku**

I'll gladly take anything I can get.

**[07:21] (Flashback) Senku**

With this mountain of equipment  
and Doctor X's online classes...

**[07:30] (Flashback) Senku**

I'm going to investigate everything.

**[07:32] (Flashback) Senku**

I'm going to try everything.

**[07:34] (Flashback) Senku**

We'll make our way up two  
million years of human history

**[07:38] (Flashback) Senku**

not from the ground up, but from  
atop the shoulders of giants.

**[08:51] (Flashback) Taiju**

Man, Senku...

**[08:53] (Flashback) Taiju**

I thought you were trying  
to build a rocket, though.

**[08:56] (Flashback) Taiju**

Why do you ask him stuff that has nothing to do with that project?

**[09:02] (Flashback) Senku**

If only we knew which science would be useful for what.

**[09:06] (Flashback) Senku**

That's like asking why I don't just bet on all the winning horses.

**[09:10] (Flashback) Senku**

There's so much we don't know.

**[09:13] (Flashback) Senku**

Science is...

**SIGN** New message received.

**[09:19] Xeno**

*Science is power.*

**[09:24] Xeno**

*For example, you don't need me to tell you that your rocket*

**[09:28] Xeno**

*and a ballistic missile are fundamentally one and the same.*

**[09:32] Xeno**

*With science,*

**[09:34] Xeno**

*an intelligent person can guide the foolish masses toward truth and rule over them.*

**[09:40] Xeno**

*It's an elegant power indeed, Doctor Senku.*

**[09:45] (Flashback) Senku**

Yeah, I'm not interested in that crap.

**[09:50] (Flashback) Senku**

I'm just stupidly curious about the secrets of the world and the universe.

**[09:57] (Flashback) Senku**

All of it.

**[09:58] (Flashback) Senku**

All of it!

**[10:01] (Flashback) Senku**

Ten billion percent all of it!

**[10:29] (Flashback) Colleague**

Hey, Xeno...

**[10:30] (Flashback) Colleague**

What would you do if you were transported back to the Stone Age?

**[10:37] (Flashback) Xeno**

I'd be able to make weapons of science from scratch and become a dictator, wouldn't I?

**[10:43] (Flashback) Byakuya**

Would you even want to become a dictator?

**[10:48] (Flashback) Colleague**

What if there are other scientists?

**[10:51] (Flashback) Byakuya**

Exactly.

**[10:53] (Flashback) Byakuya**

No matter the situation,  
humanity, ten billion percent,

**[10:57] (Flashback) Byakuya**

always produces a greedy bastard who  
wants to know everything about the world.

**[11:05] (Flashback) Byakuya**

Someone like my son.

**[11:10] (Flashback) Xeno**

Then I'd be facing off  
against this man or woman.

**[11:15] (Flashback) Xeno**

Who will master science in the  
primitive stone world first?

**[11:21] Xeno**

*Doing so, you can keep the temperature  
in the chamber under 60 degrees Celsius.*

**[11:27] Xeno**

*In other words, your homemade rocket could be  
packed with biological and chemical weapons.*

**[11:34] (Flashback) Senku**

I gotta know everything,  
whether I care for it or not.

**[11:42] Senku**

*So sulfanomides would work  
against pneumococcus, then.*

**[11:48] (Flashback) Taiju**

Where are you headed, Senku?

**[11:49] (Flashback) Senku**

Africa.

**[11:50] (Flashback) Taiju**

What?!

**[12:04] (Flashback) Byakuya**

My son's coming!

**[12:07] (Flashback) Colleague**

You two are real close, huh?

**[12:09] Byakuya**

*Nah...*

**[12:10] Byakuya**

*He's coming for the awful reason  
that my credit card expired.*

**[12:14] (Flashback) Byakuya**

We're meeting up outside.

**[12:16] (Flashback) Byakuya**

His name's Senku.

**[12:19] (Flashback) Xeno**

Senku...

**[13:01] (Flashback) Byakuya**

Hey!

**[13:03] (Flashback) Byakuya**

Senku!

**[13:08] (Flashback) Byakuya**

What is it?

**[13:11] (Flashback) Senku**

Nothing.

**SIGN** Petrified swallows?!

**SIGN** Swallow

populations

**SIGN** Social media posts

**SIGN** Europe

South America

Japan

**[14:01] (Flashback) Xeno**

The geographical correlation  
between social media posts

**[14:04] (Flashback) Xeno**

and swallow populations is  
too strong to be coincidence.

**[14:07] (Flashback) Xeno**

It's safe to assume these are real  
swallows being turned to stone.

**[14:11] (Flashback) Scientist**

That's an interesting approach.

**[14:13] (Flashback) Scientist**

An old foggy like me can  
hardly use a smartphone,

**[14:15] (Flashback) Scientist**

let alone come up with such an analysis.

**[14:17] (Flashback) Scientist**

This kind of science is a young person's game.

**[14:20] (Flashback) Xeno**

It wasn't me.

**[14:21] (Flashback) Xeno**

It was a high school student  
who posted that analysis data.

**[14:27] (Flashback) Xeno**

One from Japan.

**SIGN** CDC (U.S. Centers for Disease Control and Prevention)

**[14:41] (Flashback) Research Director**

It even has internal organs.

**[14:44] (Flashback) Research Director**

No one could make such a sculpture.

**[14:46] (Flashback) Researcher A**

There's a notable difference in hydrophobicity  
between the center and the peripheries.

**[14:53] (Flashback) Researcher A**

The finer areas repel water more.

**[14:55] (Flashback) Research Director**

What about the X-ray fluorescence analysis?

**[14:57] (Flashback) Researcher B**

Mostly iron. Traces of gold,  
as well as carbon and nitrogen.

**[15:02] (Flashback) Researcher B**

Yet it hardly reacts to any chemicals.

**[15:05] (Flashback) Researcher B**

Only a slight ion outflow  
in response to nitric acid.

**[15:08] (Flashback) Research Director**

What about UV radiation?

**[15:09] (Flashback) Researcher C**

No embrittlement in response to  
short wavelength electromagnetism.

**[15:12] (Flashback) Research Director**

Impossible!

**[15:14] (Flashback) Researcher D**

It reacts in unrecognizable  
ways to each frequency.

**[15:16] (Flashback) Researcher D**

We have no way to determine its structure.

**[15:18] (Flashback) Researcher D**

I've never seen such a mineral.

**[15:20] (Flashback) Researcher D**

Really, I'm not even sure  
"mineral" is the right word.

**[15:25] Government Official**

*This is a global-scale—no,  
universe-scale anomaly.*

**[15:30] Government Official**

*Doctor Xeno of NASA, we would  
like your input on this matter.*

**[15:37] Senku**

*Yeah, it does sink in water,  
but it's a bit light to be rock.*

**[15:42] Senku**

*Maybe it's a porous rock, like pumice.*

**[15:48] Senku**

*Worth a shot, then.*

**SIGN** Hiromatsu High School

**[15:52] (Flashback) Senku**

We're making gasoline out of plastic bottle caps.

**[15:55] (Flashback) Senku**

Normally you use something porous, like zeolite.

**[15:58] (Flashback) Senku**

Let's see if this swallow statue's wing works just as well.

**[16:02] (Flashback) Taiju**

Listen up, Senku!

**[16:04] (Flashback) Taiju**

I'm going to confess the feelings I've had for Yuzuriha for the past five years!

**[16:10] (Flashback) Senku**

Yeah?

**[16:12] (Flashback) Senku**

Well, that sure does sound interesting.

**[16:16] (Flashback) Senku**

All right, I got some gasoline.

**[16:19] (Flashback) Senku**

Throw this on a nuclear magnetic resonance machine, and the carbon distribution might

**[16:24] (Flashback) Senku**

give me some idea of its properties and the depths of the pores and stuff.

**[16:29] Senku**

*I'm going to investigate everything.*

**[16:34] Senku**

*Try everything.*

**[16:43] (Flashback) Stanley**

Today's just a DARPA tech demonstration.

**[16:49] (Flashback) Stanley**

Isn't it?

**[16:51] (Flashback) Stanley**

So why are we, special forces, being invited?

**[16:54] (Flashback) Stanley**

It's so fishy, I can feel my asshole puckering.

**[17:00] (Flashback) Brody**

It's a gathering of America's most talented superheroes.

**[17:04] (Flashback) Brody**

What is this all about?

**[17:07] (Flashback) Xeno**

This.

**[17:08] (Flashback) Xeno**

A terror attack involving an unknown weapon,  
or an attack by a foreign nation...

**[17:13] (Flashback) Government Official**

Doctor Xeno!

**[17:14] (Flashback) Government Official**

You mustn't show this yet!

**[17:16] (Flashback) Government Official**

Especially not outside!

**[17:17] (Flashback) Xeno**

It doesn't matter.

**[17:19] (Flashback) Xeno**

It's going to be public information after  
tomorrow's expert briefing, anyway.

**[17:25] (Flashback) Xeno**

We can try a potentiometric analysis using  
glass wool electrodes doused in nitric acid.

**[17:30] Stanley**

Yeah, okay, that's enough, Xeno.

**[17:32] (Flashback) Stanley**

What's the conclusion?

**[17:40] (Flashback) Maya**

What's this?

**[17:42] (Flashback) Xeno**

There's a very slight potential  
difference around the head.

**[17:46] (Flashback) Xeno**

Brain waves.

**[17:49] (Flashback) Xeno**

It's quite elegant, is it not?

**[17:52] (Flashback) Xeno**

This statue is still alive.

**[17:54] (Flashback) Xeno**

Though, with time, their brain  
waves vanish one by one.

**[17:59] (Flashback) Xeno**

But this swallow, for instance,  
is still awake right now.

**[18:03] (Flashback) Stanley**

So if you get hit by this new weapon,

**[18:05] (Flashback) Stanley**

you still have a chance if  
you keep yourself awake.

**[18:13] (Flashback) Carlos**

Miss!

**[18:14] (Flashback) Carlos**

I prepared this.

I think it would look great on you.

**[18:19] (Flashback) Carlos**

Please have this ring!

**[18:22] (Flashback) Max**

Screw your flashy shit, Carlos, you womanizer!

**[18:27] (Flashback) Carlos**

Miss?

**[18:30] (Flashback) Luna**

What is...

**[18:33] (Flashback) Luna**

that light?

**[18:42] Stanley**

*It's coming!*

**[18:44] (Flashback) Stanley**

Retreat!

**[18:44] (Flashback) Stanley**

Get behind cover!

**[18:46] (Flashback) Stanley**

We won't escape petrification,  
but the real test comes after!

**[18:51] (Flashback) Stanley**

Maintain consciousness, no matter what!

**[18:52] (Flashback) Max**

We have to protect Luna  
even if it kills us, Carlos!

**[18:56] (Flashback) Carlos**

Of course!

**[18:58] Carlos**

*Damn it, the ring!*

**[19:00] Carlos**

*This belongs to her, though...*

**[19:01] Carlos**

*so I don't want to let go of it!*

**[19:04] Carlos**

*I'm sorry!*

**[19:05] Carlos**

*I'll wash it later!*

**[19:25] Soldier A**

*Shit...*

**[19:26] Soldier A**

*Captain Stanley's orders!*

**[19:28] Soldier A**

*I have to stay awake!*

**[19:31] Soldier B**

*Damn it...*

**[19:32] Soldier B**

*I can't move at all.*

**[19:37] Luna**

*No way!*

**[19:39] Luna**

*I'm a capable woman!*

**[19:41] Luna**

*I'm supposed to date a capable  
man and form a power couple!*

**[19:46] Luna**

*I don't wanna die single!*

**[19:50] Luna**

*That soldier said to stay awake!*

**[19:53] Luna**

*I'm so, so, so, so staying awake!*

**[19:55] Luna**

*I'm the cool-headed Luna!  
The capable woman, Luna!*

**[19:57] Luna**

*I'm the cool-headed Luna!  
The capable woman, Luna!*

**[20:00] Luna**

*I'm the cool-headed Luna!  
The capable woman, Luna!*

**[20:02] Luna**

*I'm the cool-headed Luna!  
The capable woman, Luna!*

**[20:02] Carlos**

*I'm not leaving her all alone!*

**[20:04] Luna**

*I'm the cool-headed Luna!  
The capable woman, Luna!*

**[20:09] Stanley**

*Sure.*

**[20:10] Stanley**

*I'm used to staying awake  
and still for days on end.*

**[20:14] Stanley**

*I get plenty of practice sniping.*

**[20:42] Xeno**

*Pinnacles National Park, where we were,  
is filled with saltpeter caves.*

**[20:48] Xeno**

*Which means there must be nitric acid.*

**[20:51] Xeno**

*I don't know if that's a  
good thing or a bad thing,*

**[20:53] Xeno**

*but it's better than no denaturation at all.*

**[21:05] Senku**

*One, two, three, four, five, six...*

**[21:11] Senku**

*seven, eight, nine...*

**[21:14] Senku**

*9,157,661,240 seconds.*

**[21:20] Senku**

*As long as I stay conscious,  
I'll have a chance to reawaken.*

**[21:26] Xeno**

*If I do manage to awaken,*

**[21:28] Xeno**

*I'll want Yellow Dent corn for  
both livestock feed and fuel.*

**[21:36] Xeno**

*There's one location on the West Coast Corn  
Belt where the corn will have hybridized...*

**[21:40] Xeno**

*Or better yet, it may have been  
preserved in a dormant state.*

**[21:47] Xeno**

*If there are any scientists around,  
they'll gather there.*

**[21:55] Senku**

*That wouldn't be fate.*

**[21:58] Senku**

*It wouldn't even be coincidence.*

**[22:00] Senku**

*It would be necessary.*

**[22:02] Xeno**

*It would be repeatable.*

**[22:04] Xeno**

*That is the essence...*

**[22:11] Senku/Xeno**

*...of science.*

**SIGN** Next Episode

**SIGN** This is a work of fiction, but the plants, animals, and production methods described are based on reality. Foraging and making things on your own accord is extremely dangerous and, in some cases, illegal. Please do not imitate without expertise.

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