



1
00:00:02,030 --> 00:00:04,430
>> And we have here with us a couple
of folks that have been involved

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00:00:04,430 --> 00:00:07,060
in the EarthKam project just recently.

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00:00:07,060 --> 00:00:10,560
This is Frank Sanchez, and Luis Tamayo.

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00:00:10,560 --> 00:00:17,850
They are teacher and student, respectively,
at Milstead Middle School here in town.

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00:00:17,850 --> 00:00:22,330
And they just got finished going
through a program with EarthKam, right?

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00:00:22,330 --> 00:00:23,110
>> Correct.

7
00:00:23,110 --> 00:00:23,770
>> Yes, ma'am.

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00:00:23,770 --> 00:00:25,950
>> Well, Luis, how old are you?

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00:00:30,900 --> 00:00:26,520
>> 12.

10
00:00:30,900 --> 00:00:32,650
on International Space Station, huh?

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00:00:32,650 --> 00:00:33,200
>> Uh huh.

12
00:00:33,200 --> 00:00:34,470
>> That's really cool, right?

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00:00:34,470 --> 00:00:35,230

>> Yeah.

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00:00:35,230 --> 00:00:37,020

>> Well, what did you like about that?

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00:00:37,020 --> 00:00:44,270

>> Well, I liked -- like, it's that all controlled by students instead

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00:00:44,270 --> 00:00:49,170

of being more, like, less students.

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00:00:49,170 --> 00:00:55,090

We can control more, and it feels, like, having the power.

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00:00:55,090 --> 00:00:57,150

>> So how does it work?

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00:00:57,150 --> 00:01:02,430

>> Well, basically we go on line and reserve a mission time.

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00:01:02,430 --> 00:01:07,310

And it goes through an application process, and when the mission is going on we're allowed

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00:01:07,310 --> 00:01:12,680

to send in a target sheet which coordinates different areas we would like to see

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00:01:12,680 --> 00:01:14,620

from the International Space Station.

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00:01:14,620 --> 00:01:21,340

And obviously, we were in with about 150 other schools, and they were all over the world.

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00:01:21,340 --> 00:01:23,810

So that was fascinating, obviously.

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00:01:23,810 --> 00:01:24,790

One of the drives.

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00:01:24,790 --> 00:01:27,930

And we were excited about that.

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00:01:27,930 --> 00:01:31,990

>> So how did it work for you, Luis, did you get together with your class mates and talk

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00:01:31,990 --> 00:01:33,570

about what you wanted to take a picture of?

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00:01:33,570 --> 00:01:40,770

>> Yeah. Well, we were kind of like in a group, deciding what we wanted to take pictures of.

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00:01:40,770 --> 00:01:43,430

Then we finally decided to take.

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00:01:43,430 --> 00:01:45,480

>> How did you decide, what did you talk about?

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00:01:45,480 --> 00:01:51,080

>> Well, we were -- like -- we were talking more, like, a[Inaudible] topic,

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00:01:51,080 --> 00:01:54,960

oh, this is cool, this is not cool.

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00:01:54,960 --> 00:01:58,170

This is cool, this is not cool.

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00:01:58,170 --> 00:02:01,480

>> Well, I think we actually have some of your photos here that we can show,

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00:02:01,480 --> 00:02:04,570

that y'all were involved in picking out.

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00:02:04,570 --> 00:02:06,050

This first one I think is Chile?

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00:02:06,050 --> 00:02:06,400

>> Yes.

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00:02:06,400 --> 00:02:08,150

>> Tell us about this.

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00:02:08,150 --> 00:02:10,230

>> Well, I really like that picture.

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00:02:10,230 --> 00:02:13,000

We all decided to pick that picture.

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00:02:13,000 --> 00:02:16,890

It's showing the coast of Chile.

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00:02:16,890 --> 00:02:19,160

I really think it's an interesting picture.

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00:02:19,160 --> 00:02:21,040

>> Was there anything in particular that you were thinking

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00:02:21,040 --> 00:02:23,060

about when you chose to take one of Chile?

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00:02:23,060 --> 00:02:23,890

>> For the land forms.

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00:02:23,890 --> 00:02:27,720

We connected to social studies and land form and geographical features,

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00:02:27,720 --> 00:02:29,270

along with the science component.

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00:02:29,270 --> 00:02:31,130

So that's really what drove our lesson.

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00:02:31,130 --> 00:02:33,620

And Chile was obviously the coastline.

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00:02:33,620 --> 00:02:35,800

And it's beautiful water, obviously the ocean.

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00:02:35,800 --> 00:02:40,070

And you can see the differences in the type of features that are there.

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00:02:40,070 --> 00:02:43,170

So I thought it was an interesting choice.

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00:02:43,170 --> 00:02:48,610

Obviously, we had other images to choose from, but that one really stood out for us.

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00:02:48,610 --> 00:02:51,870

>> Yeah. I think we've actually got one other one that y'all took.

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00:02:51,870 --> 00:02:53,150

This one is Alaska?

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00:02:53,150 --> 00:02:54,310

>> Yes. Exactly.

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00:02:54,310 --> 00:02:55,560

>> Tell us about this one.

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00:02:55,560 --> 00:03:04,970
>> Well, Alaska, it's kind of special because
it's an -- in Canada, but it's part of the US.

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00:03:04,970 --> 00:03:11,400
So it's -- some people get -- got
it confused with other places.

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00:03:11,400 --> 00:03:14,080
But I was like, it's Alaska, it's Alaska.

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00:03:14,080 --> 00:03:18,650
And I really wanted to get special picture.

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00:03:18,650 --> 00:03:21,480
>> Yeah? So this is one --
that was one of your favorites?

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00:03:21,480 --> 00:03:25,230
>> Right. It was one of my also,
because of the barrenness, and you know,

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00:03:25,230 --> 00:03:29,730
the dichotomy between ocean, you
know, with that land form, is it ice,

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00:03:29,730 --> 00:03:31,500
is it ocean, those kinds of things.

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00:03:31,500 --> 00:03:33,340
And then the colors really pop, too.

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00:03:33,340 --> 00:03:35,170
>> Yes, if nothing else it's
a beautiful photograph.

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00:03:35,170 --> 00:03:36,070
>> It's a beautiful photograph.

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00:03:36,070 --> 00:03:38,950

>> But I guess the idea is that kids actually learn something from doing this.

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00:03:38,950 --> 00:03:44,520

So can you help us, what do you as a teacher see as the benefit of it?

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00:03:44,520 --> 00:03:45,020

>> Definitely.

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00:03:45,020 --> 00:03:51,270

Well, I was part of the middle school aerospace scholars for two years, last year as well.

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00:03:51,270 --> 00:03:53,760

And this is really how we got started with EarthKam.

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00:03:53,760 --> 00:03:57,430

Interest Sally Ride, her vision was of course to involve the students,

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00:03:57,430 --> 00:04:01,940

especially here in America, to really take part in what's going on in --

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00:04:01,940 --> 00:04:05,690

at the International Space Station and just in space in general.

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00:04:05,690 --> 00:04:09,020

So I figured what would be a better way to --

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00:04:09,020 --> 00:04:13,430

what other than connecting it directly to the International Space Station,

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00:04:13,430 --> 00:04:17,220

how as a teacher can we drive
that, and drive our lessons.

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00:04:17,220 --> 00:04:21,040

So technology, one, and then of
course the science behind it.

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00:04:21,040 --> 00:04:23,220

And that's really what got is involved.

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00:04:23,220 --> 00:04:25,620

I've also done some webcasts with Stem,

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00:04:25,620 --> 00:04:28,780

and they've talked a lot and
used a lot of the images.

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00:04:28,780 --> 00:04:34,080

So I figured how we could connect that without
having to wait for a Stem webcast all the time.

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00:04:34,080 --> 00:04:35,120

How we can --

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00:04:35,120 --> 00:04:37,570

>> Real quick for people
who don't know, what's Stem

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00:04:37,570 --> 00:04:39,430

>> Stem is the science, technology,

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00:04:39,430 --> 00:04:42,380

and educational through mathematics
and science, okay?

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00:04:42,380 --> 00:04:46,610

And they have a webcast,
they do various programs

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00:04:46,610 --> 00:04:49,290
through NASA, of course, and they do webcast.

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00:04:49,290 --> 00:04:53,060
And the one they use a lot of
your images was view from the top.

93
00:04:53,060 --> 00:04:55,670
And it basically talked about
geological features.

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00:04:55,670 --> 00:04:59,170
They were able to narrow down our
school, and they found working

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00:04:59,170 --> 00:05:03,790
with International Space Station images
some of the before and after photos too.

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00:05:03,790 --> 00:05:11,190
So it was a very specific webcast as opposed
to the general one we took part in EarthKam.

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00:05:11,190 --> 00:05:13,910
>> You think you'll keep using this
program in your classroom or --

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00:05:13,910 --> 00:05:18,510
>> Yes, we just missed the window for
the past mission, but the one coming

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00:05:18,510 --> 00:05:21,860
up right before summer should
-- we take part in that.

100
00:05:21,860 --> 00:05:24,570
And this class will actually help us with that.

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00:05:24,570 --> 00:05:28,680
And that will carry over to some of the

Stem webcasts that we will be doing,

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00:05:28,680 --> 00:05:33,640

kind of similar to what we did last time and
we'll be able to converse about the images