

School Around The Radiation Map



Rokkasho Visitors Center

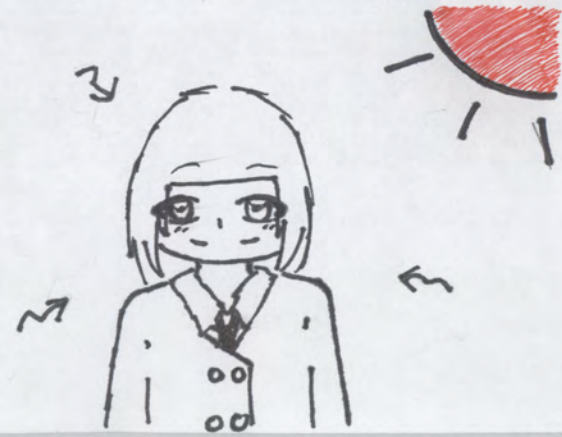
In summer vacation, we went to Rokkasho visitors center on a field trip.

It took six hours by bus to reach Rokkasho visitors center. Learning time was short but we learned how to carry nuclear fuel, how thick the concrete walls of the facilities are and the system of the nuclear power fuel. We learned not only radiation but other things such as mega solar and wind power station.



Radiation

Radiation is a kind of light. It is a generic name of an alpha ray, a beta ray and a gamma ray released by radionuclide collapse. There are two kinds of radiation one is natural radiation which is from space, earth, atmosphere and food, The other is artificial radiation which is made for medical care and biology. There are natural radiation and artificial radiation in the world. It has little influence on the human body and nature.



Purpose

We want everyone to know about radiation and to use a map which says the amount of radiation around Minami high school.

We were impacted by the Big-East-Japan-Earthquake, and we thought we want to inquire into radiation.

Hypothesis

We researched radiation on the internet and we found it is easy to dissolve radiation in rain water. Also, we learned after rain fell, that rain sank into the ground.

Means

We learned that radiation is in the corner of the room building up in a lot of dust and soil.

We inquire into radiation quantity around this school on Sunny day and rain day.

Sunny day

High place was a lot of radiation: waterspout, near trees, a puddle and so on near the water a lot of radiation.

Rain day

Low place has a lot of radiation, especially humid place such as concreted ground.

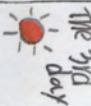
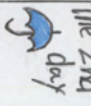
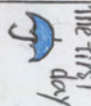
Common

The place which contains radiation substances, such as cement and marble, has a lot of radiation regardless of the weather. From the fact that an umbrella with rain water has a lot of radiation. We find that rain water contains radiation.

Result of measurement

(The micro sievert has been omitted.)

① We thought that on rainy days, radiation builds up.

	 The 3rd day	 The 2nd day	 The 1st day	
Student front door	38	42	40	
The first gymnasium	32	35	32	
marital arts hall	34	32	33	
Baseball ground	56	46	45	
Student hall	50	70	63	
classroom	34	51	50	
staff front door	49	70	72	