

Our springs

There is a village on the hill.
There is a spring not far from our village,
I know it's freshness and taste –
That's why I like my spring.

Shiryayev Artem Olegovich
7th grade Blizhneigumenskaya school,
Belgorod region

Teacher: Irene Vladimirovna Chikulaeva



All began with ...

Annually our school spends the World Day of Health - April 7 on a nature.

We have set off on springs, where we have seen a terrible picture ...



Problem!!!

- What we can make for updating water balance of the river Severski Dones?
- Whether it is possible to drink water from springs which are taking place in territory of our village?
- Whether it is possible to reduce shortage of drinking water in a village in the summer period?



The purposes:

- To define an ecological condition of springs of the village,
- To find opportunities of their clearing and accomplishments,
- To investigate the qualitative characteristics of springs for definition of their suitability in the drinking purposes,
- To involve attention of administration to the problems and receive them.



TASKS =

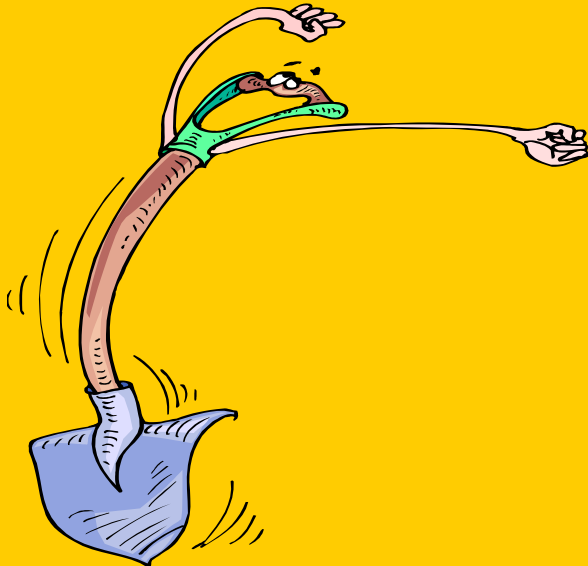


- To clean the springs
- To ensure the free approach to springs and exit of water to the river;
- To define property of water: a transparency, smell, taste and colour;
- To involve attention of administration to the problem.

The plan of work

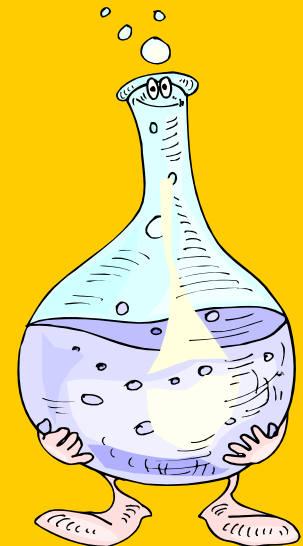
The ecologists

To study and improvement of an ecological condition of springs and their territory.

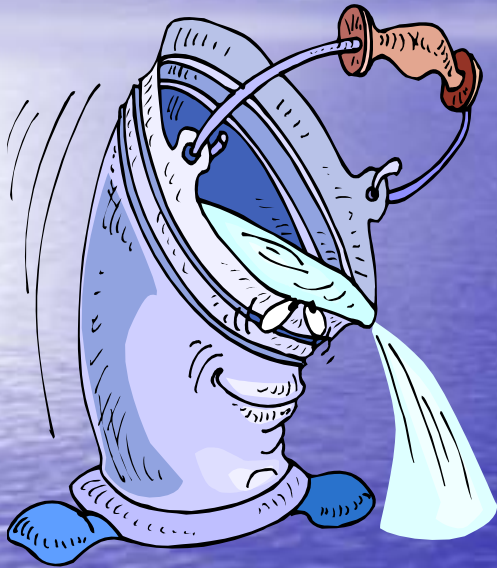


The chemists

Take samples of water for research, realization of the analyses in school chemical laboratory, processing of the received results.



Estimation of modern ecological springs and way of its improvement



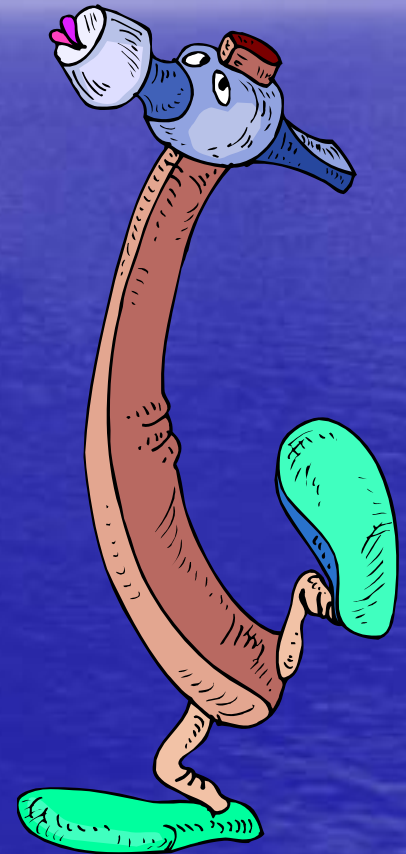
The ecologists:

- Inna
- Helen
- Tanya
- Max
- Sergey
- Alex



The purposes:

- To define an ecological condition of springs of village Bliznaya Igumenka;
- To find opportunities of their clearing and accomplishments;
- To involve administration's attention to this problem and receive it.



Hypothesis:

The spring will become suitable for use if:

- To make it accessible to the visitors;
- To clear and deep the bottom;
- To ensure a drain of water to the river;
- To create an experimental platform for lessons of chemistry, biology, ecology and geography;
- To create the place of the rest

Course of research

- Cleaning of territory near of the spring

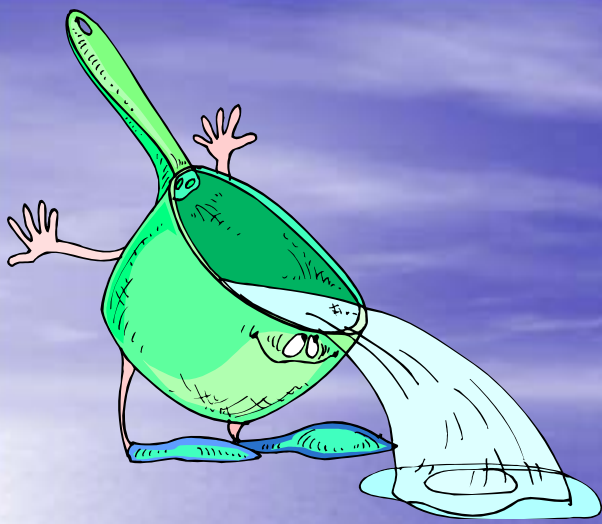


Conclusions

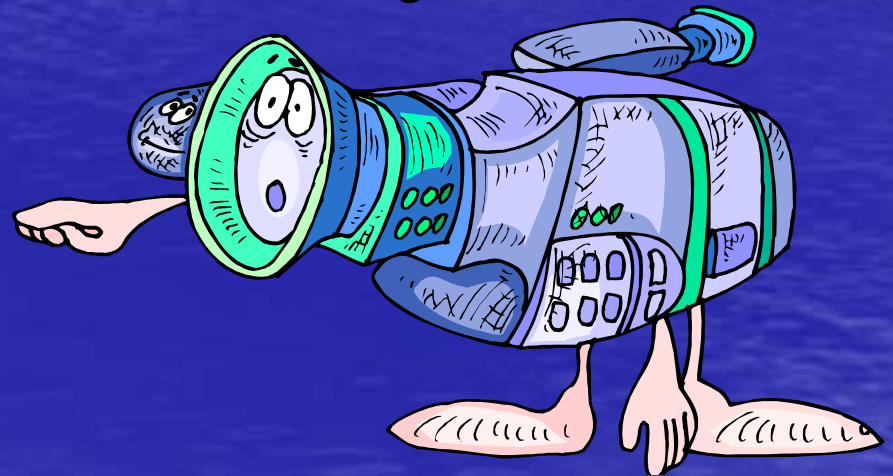


- It is necessary to keep up an ecological condition of springs.
- Administration's help on an accomplishment of springs and their territory.

Hypothesis:



Spring's water is suitable for drinking if it is basic of sanitary hygienic norms



Problem:

Whether there corresponds water in springs to sanitary hygienic norms?

Task

To define property spring's water
(colour, taste, smell, transparency)

Course of research:

The first stage

Make the tests of water.



The second stage

Research properties of water in school chemical laboratory



Conclusions:

- The investigated springs of our village contain water appropriate to the basic sanitary hygienic norms and spring's water is suitable for drinking, preparation of food and for the economic purposes.
- The best springs are the third, fourth and fifth spring.
- We recommend to clean springs regular.

