

Development of visual aids for studying the bases of hydrogen energy at school

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School ecological club "Vodorodic" has been engaged in inspection of a condition of the highways adjoining to territory of our school, and also the sites of "Bitsevsky reserved park", located near to the Moscow ring highway.

Data obtained during the research, testify the destructive influence of motor transport on flora and fauna of our city.

Here the cardinal decision is required! And such cardinal decision, in our opinion, is transition to perfect another ecologically pure kind of fuel!

What "hydrogen energy" is known in Russia only to scientists and experts, therefore the purpose of creation of our club to reveal, investigate and prove advantages of transport on hydrogen fuel in comparison with other kinds of fuel, and also actively support and advance the idea of hydrogen education. We want that a great number of people as possible, especially our contemporaries to familiarize with trustworthy information about ecologically pure hydrogen fuel.

We are the first school who began to study bases of hydrogen power at lessons of ecology under the manual "Energy of the future", let out in MIREA.

Under the direction of the teacher on technology we have developed a number of visual aids: a hydrogen torch a small electrolytic section, which we have made of an improvised material; working models of renewed energy sources: wind, geothermal, hydraulic power, solar on the basis of designers LEGO.

We studied a principle of work of cars on hydrogen fuel using the model of the solar-hydrogen car produced by firm Thames&Kosmos. We have translated the instruction on its operation from German into Russian and have lead 40 laboratory works on the physicist, chemistry and ecology by means of this machine. We arranged even races on these toy cars.

The activity of school club is widely presented both in the articles of journal "Hydrogen Education" and in our amateur films: "Our way to hydrogen power", "The Hydrogen torch".