THE ANALYSIS OF THE PROBLEM OF SAFE WORK ON THE INTERNET FOR PRIMARY SCHOOLCHILDREN

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The article is devoted to the analisis of the problems of safe work on the Internet for primary schoolchildren. To define the concept of the "safe work on the Internet". To identify and systematize major threats in the work of primary schoolchildren online.

The following methods for the experimental study were used:

- theoretical analysis of linguistic sources and regulatory documents to define the concept of the "safe work on the Internet";
- generalization and comparison of various statistical surveys to identify the major threats in the work of primary schoolchildren on the Internet;
- abstraction and system modeling to determine the effective ways of overcoming problems that arise in learning to program;
- observation, questioning, testing, statistical analysis of the results to check the real state of the problem of safe work on the Internet of primary schoolchildren and their parents.

The work on the Internet is safe when the user has the necessary knowledge and skills that allow him/her to perform activities on the World Wide Web causing no physical or moral harm and without causing material damage.

The major types of threats that can occur during Internet browsing have been identified. The threats have been classified into four groups:

- personal health
- personal safety;
- safety of others;
- leakage of personal information.

The essence of the concept the "safe work on the Internet" has been defined. The major types of Internet threats have been classified into four groups

Developing safe internet skills for primary schoolchildren is an urgent social and pedagogical problem, as noted by the European Council and other governmental and non-governmental organizations. This is due to the intensification of the use of Internet resources in school education in particular and in everyday life in general, the ever-increasing pace of Internet use, and at the same time parents' insufficient attention to the problems of developing safe internet skills for primary schoolchildren. Increasing the amount of time spent online by junior schoolchildren requires primary school teachers to actively engage in the process of developing safe online skills for primary schoolchildren.

References

- 1. Derzhavnyi standart pochatkovoi osvity. Postanova Kabinetu Ministriv Ukrainy vid 21 liutoho 2018 r. No. 87. (2018). [State standard of primary education. Resolution of the Cabinet of Ministers of Ukraine of February 21, 2018. No. 87]. Available at: https://zakon.rada.gov.ua/laws/show/688-2019-%D0%BF#n8 (accessed 10 October 2019) (in Ukrainian).
- 2. Informatika v nachalnom obrazovanii: Rekomendatsii UNESKO (1999). [Computer Science in Primary Education: UNESCO Recommendations]. Informatika v mladshih klassah [Informatics in elementary education], no. 2. 96 p. (In Russian).
- 3. Kontseptsiia novoi ukrainskoi shkoly [The concept of the new Ukrainian school]. Available at: https://mon.gov.ua/storage/app/media/zagalna%20serednya/nova-ukrainska-shkola-compressed.pdf (accessed 10 October 2019) (in Ukrainian).
- 4. Kocharian, A. & Hushchyna, N. (2011). *Vykhovannia kultury korystuvacha Internetu. Bezpeka u vsesvitnii merezhi* [Fostering an Internet User Culture. Security on the World Wide Web]. Kyiv, 100 p. (In Ukrainian).

- 5. Lytovchenko, I., Maksymenko, S., Boltivets, S. et al. (2010). *Dity v Interneti: yak navchyty bezpetsi u virtualnomu sviti* [Kids online: how to teach security in the virtual world]. Kyiv, Avanpost-Prym Publ., 48 p. (In Ukrainian).
- 6. Udalova, O., Shved, O. Kuznietsova, O. et al. (2010). *Bezpechne korystuvannia suchasnymy informatsiino-komunikatyvnymy tekhnolohiiamy* [Safe use of modern information and communication technologies]. Kyiv, 72 p. (In Ukrainian).
- 7. Rzhevskyi, H.M. (2018). *Vplyv Internet-seredovyshcha na navchalnu diialnist studentskoi molodi v suchasnykh umovakh* [Influence of Internet environment on educational activity of student youth in modern conditions]. *Visnyk Universytetu imeni Alfreda Nobelia. Pedahohika i psykholohiia. Pedahohichni nauky* [Bulletin of Alfred Nobel University. Pedagogy and psychology. Pedagogical Sciences], no. 1 (15), pp. 48-55. DOI: 10.32342/2522-41-5-2018-0-15-48-55 (in Ukrainian).
- 8. Sputnikmedia. Available at: http://http/sputnikmedia.net/news/854/ (accessed 9 October 2019).
- 9. Eurobarometer. Available at: https://www.europarl.europa.eu/at-your-service/pl/be-heard/eurobarometer (accessed 9 October 2019). (In Ukrainian).
- 10. Systemy peredachi. Natsionalnyi komitet enerhetyky, komunalnykh posluh (2018). [Transmission systems. National Committee of Energy, Utilities], no. 309. Available at: https://zakon.rada.gov.ua/aws/show/v0309874-18 (accessed 10 October 2019) (in Ukrainian).
- 11. Busel V.T. (ed.). (2005). *Velykyi tlumachnyi slovnyk suchasnoi ukrainskoi movy* [A great explanatory dictionary of modern Ukrainian]. Irpin, Perun Publ., 1728 p. (In Ukrainian).
 - 12. Eukidsonline. Available at: http://www.eukidsonline.net (accessed 10 October 2019). Одержано 22.11.2019.