Use of Innovative Technologies in Teaching the Module "Working With the Modern Windows Operating System".

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Annotation: Today, information technology is developing more and more. The most recent installations of Windows operating systems are releasing updates. This article provides information about modern operating systems.

Keywords: Windows, operating systems, MS-DOS, Apple, Unix, Linux, Windows XP, folder, Pusk, DVD, Macintosh, Microsoft.

Every modern device cannot work in any way without an operating system installed, and the most popular and Windows. It is currently installed on more than 1 billion electronic devices, including PCs, laptops, tablets, all-in-ones and other gadgets. However, despite the regular release of updates for this platform, it has not fared much better, and this is of course very frustrating for many people who constantly face various problems while using it, which in turn affects the user experience of using any electronic devices. has a very negative effect.

An operating system is a special program. The main task of this program is to manage the computer, establish communication between the computer and the user, configure and communicate with external devices, launch various programs and ensure their operation. The most famous operating systems are Microsoft's MS-DOS and Windows, Apple's Macintosh, Unix and Linux. 70% of the world's computers are equipped with operating systems created by Microsoft Corporation. Among them, created in 1981 - MS-DOS software, created in 1991 - Windows 3.1 software, created in 1995 - Windows 95 software, created in 1998 - Windows 98 software, created in 2000 - Windows 2000 software, created in 2001 - Windows Millennium Edition and Windows XP programs. The main reason for the popularity of the Windows program is the simplicity of the workflow, multitasking mode, the same operating interface and other conveniences. Like other operating systems, Windows software is automatically loaded into the computer's memory when the computer is turned on.

After loading Windows, the main view of the screen will appear. Main parts of the screen:

1. - DESKTOP - an empty area of the screen, in which various programs are executed in their own window

2. - FOLDER and SHORTCUTS - icons of various programs and files, with which these programs are launched or these files are opened

3. - PROGRAM WINDOWS - the program execution window

4. - PUSK MENU - (a menu containing the main commands of WINDOWS, with which we can perform various actions on Windows

5. - TASK BAR - buttons indicating the names of active programs and files are located and with their help quick transition from one to another is ensured

6. - INDICATOR AREA - information about time and day, keyboard, language standard, volume, printer, screen and other devices and various program symbols are located, with the help of which we can change the properties of these devices or the operating conditions of these programs .

When using WINDOWS, the following minimum requirements are imposed on devices:

➢ processor — Pentium-100 MHz and higher;

➢ the size of the fast memory — 16 Mbytes and more;

➢ for the standard installation of the system, there should be 195 Mb of free space on the hard disk (vin chester), but depending on the system configuration and the number of selected partitions, from 120 to 295 Mb of free space may be required;

➢ disc drive for CDs and DVDs;

➢ monitor — a device with VGA or higher resolution;

➢ Input devices — Microsoft Mouse or other compatible device.

If the computer has WINDOWS OS installed, it will start as soon as the computer is turned on, and as a result, the following screen will appear on the screen:

The main parts of the WINDOWS screen:

➢ desktop — the main area;

➢ Taskbar (the line starting with the "Pusk" key) — usually located at the bottom of the screen.

Currently, computers offered to the general public are provided with WINDOWS operating systems installed. If the computers were acquired earlier, it is possible to install WINDOWS operating systems on these computers as well. For this, certain conditions (resources) must be met. To install WINDOWS 95/98 operating systems, the minimum version of WINDOWS 95 must have 50 Mb of free space on the Winchester, 8 Mb of RAM and a processor of at least 486 (tactical operating frequency of 66 Mgs). To install the WINDOWS 98 operating system, you must have at least 16 Mb of RAM and 120 Mb to 295 Mb of free space on the hard disk. If you want to use the capabilities of Windows, it is better to install WINDOWS on Pentium computers.

The WINDOWS operating system has the following capabilities:

➢ Multitasking, i.e. after switching to the WINDOWS environment, there is an opportunity to work in several programs at the same time. For example, editing documents, drawing pictures, printing documents, listening to music, etc.

➢ The ability to use the data buffer (pocket), that is, to easily put data in a graphic editor or spreadsheet into other programs or vice versa.

➢ Uniformity of fonts, drivers, printer usage and control buttons of all programs working in the Windows environment allows the user to easily get used to working in one program while working in another.

➢ It is very convenient to use computer networks in the WINDOWS operating system, for example, to work in a local computer network; it is enough to use the network environment (setevoe okruzhenie) label.

Microsoft has not officially announced a new version of Windows. In fact, it's the triviality of the reports we've heard about Windows 12. Officially, the company is committed to annual updates and smaller feature updates for Windows 11. Still, it's never too early to start looking ahead, and we have a good chance. The next major version of Windows will launch in 2024, about three years after Windows 11. That's all we have right now, and it may be a while before we have more information. If past versions are any indication, Windows 12 should arrive in the fall, or at least in the second half of the year, but that's not set yet. Microsoft denied reports that it was working on Windows 12. Meanwhile, Windows 11 will continue to receive updates, and sometimes it may receive some new features, so the operating system does not seem outdated. We're getting Windows 11 22H2, and it's a major update that adds new touch gestures, Start Menu improvements, and more.

References

1. Berman B.I. i dr. Basic computer literacy - M.: Mir, 1989

2. Zakirova F.M. Basic informatics and advanced technology Chast1

3. Kushnirenko A.G. Epiketova M.G. Kodirovanie informatsii. Information model - M.: Drofa, 1996

4. Makarova N.V. i dr. Informatics - M.: Finance and statistics, 1997

5. Pod redaktsiey Simonovicha S. Uchebnik dlya VTUZov: Informatics: basic Course. Moscow, Vlados, 2000.

6. Simonovich S, Evseev G, Alekseev A Prakticheskaya informatics uchebnoe posobie – M.: Ast-Press: Iforkom-Press, 1999

7. Simonovich S, Evseev G, Alekseev A Windows uchebnoe posobie – M.: Ast-Press: Inforkom-Press, 1999

8. Simonovich S, Evseev G, Alekseev A Spetsialnaya informatics uchebnoe posobie – M.: Ast-Press: Inforkom-Press, 1999

9. Simonovich S, Evseev G, Alekseev A. Obshchaya informatics Uchebnoe posobie – M.: Ast-Press: Inforkom-Press, 1999