

COMPUTER SCIENCE

Year 5
(35 hrs, 1 hr per week)

1.	<p>Information processes and systems Information, data, and messages. Information processes and systems. Role of IT in the life of a modern human. Hardware and software components of the information system. Computer as a means of data processing. Types of computers. Computer components and their role. Operating system and interface. Files, folders, and operations with them. Health and wellness during work with a computer</p>
2.	<p>Network technologies and the internet Computer networks. Local network. Using network folders. Web browsing. Safe web browsing. Downloading data from the internet. Copyright. Critical accessing of information from the internet. Use of internet for studying</p>
3.	<p>Processing text data Objects and their features. Actions with objects. Main objects of a text document. Text processing software. Entering, editing, and formatting symbols and paragraphs. Adding images from files and their formatting. Adding, editing, and formatting of tables. One-level lists. Document pages and formatting. Preparing a document for printing. Printing a document</p>
4.	<p>Algorithms and programs Executing algorithms and their command systems. Means of describing of an algorithm. Program. Media for describing and execution of algorithms. Linear algorithms. Trees of algorithms. Repeated algorithms</p>
<p>Expected results</p>	



Pupil:

- **Adheres** to the rules of health and wellness working with computer devices and during web browsing.
- **Knows** the main operations with files and folders.
- **Uses** network folders to exchange and store files.
- **Finds, downloads and saves** the data from the internet.
- **Realizes** the essence of copyright.
- **Critically accesses** the data found on the internet.
- **Knows** how to edit and format the objects of text documents.
- **Adds** images from files and sets their parameters.
- **Adds** tables and one-level lists, edits, and formats them.
- **Sets** the page parameters (size, orientation, and fields).
- **Prepares** the document for printing.
- **Makes up** simple algorithms.
- **Uses** the media to describe and execute the algorithms.
- **Selects** algorithmic structures to solve the task at hand.
- **Executes** algorithms in the formal form
- **Realizes** the importance of algorithms in life.
- **Makes conclusions** on the correspondence of the result of executing the algorithm to the task at hand.