

Lakeview Public Schools
Technology Curriculum
By Course, Standard, Benchmark
Elementary Level Technology (Early)

TE01 Knows the characteristics and uses of computer hardware and operating systems

- 5386 01 Identifies basic computer hardware (e.g., keyboard and mouse, printer, monitor, output, hard and floppy disk, case for the CPU [central processing unit])
- 5387 02 Powers-up computer, monitor, and starts a computer program (e.g., checks that printer is switched on and on-line; reboots the computer when necessary)
- 5388 03 Knows the alphanumeric keys and special keys (e.g., function keys, escape key, space bar, delete/backspace, return/enter)
- 5389 04 Knows proper finger placement on the home row keys
- 5390 05 Handles diskettes and other computer equipment with care

TE02 Knows the characteristics and uses of computer software programs

- 5391 01 Types on a computer keyboard, using correct hand and body positions
- 5392 02 Knows basic distinctions among computer software programs, such as word processors, special purpose programs, and games
- 5393 03 Uses menu options and commands

TE03 Uses and transfers technological knowledge and skills for life roles

- 5394 01 Knows ways that technology is used at home and school (e.g., paging systems, telephones, VCRs)
- 5395 02 Knows that new tools and ways of doing things affect all aspects of life, and may have positive or negative effects on other people

TE04 Uses technology to input, retrieve, organize, manipulate, evaluate, and communicate information

- 5397 01 Input and retrieve information from a technological system (including the practice of word processing skills)
- 7335 02 Uses a search engine to locate information on the internet

TE05 Applies technology to critical thinking, creative expression, and decision making skills

- 5398 01 Knows that tools can be used to observe, measure, make things, and do things better or more easily
- 5401 02 Uses a variety of technologies to express ideas (e. g., voice, data, video, graphics, etc.)

TE06 Uses resources and processes to create, maintain, and improve products, systems, and environments

- 5399 01 Knows that people are always inventing new ways to solve problems and get work done (e.g., computer is a machine that helps people work and play)
- 7288 02 Uses the basic terminology for a variety of technological systems (e.g., input, process, output, and feedback)

TE07 Applies ethical and legal standards in planning, using, and evaluating technology

- 5396 01 Understands that when an individual creates something on a computer, the created work is that person's property, and only that person has the right to change it

Lakeview Public Schools
Technology Curriculum
By Course, Standard, Benchmark
Elementary Level Technology (Later)

TE01 Knows the characteristics and uses of computer hardware and operating systems

- 5404 01 Knows the basic functions of hardware (e.g., keyboard and mouse provide input; printer and monitor provide output; hard and floppy disk provide storage; the CPU processes information)
- 5405 02 Uses proper fingering for all keys, beginning from the home row, maintaining proper posture while using the keyboard
- 5406 03 Knows potential hazards to computer media (e.g., the damage caused to floppies by magnetic fields, dirt, and dust; caused to computers by excessive heat, smoke, and moisture)
- 5407 04 Knows basic facts about networked computers (e.g., computers can connect to each other via modem and telephone line, or through local network systems, or internet and intranet)

TE02 Knows the characteristics and uses of computer software programs

- 5408 01 Uses a word processor to edit, copy, move, save, and print text with some formatting (e.g., centering lines, using tabs, forming paragraphs)
- 5409 02 Makes back-up copies of stored data, such as text, programs, and databases
- 5410 03 Trouble-shoots simple problems in software (e.g., re-boots, uses help systems)
- 5411 04 Knows the common features and uses of data bases (e.g., data bases contain records of similar data, which is sorted or organized for ease of use; data bases are used in both print form, such as telephone books, and electronic form, such as computerized card catalogs)
- 5412 05 Uses data base software to add, edit, and delete records, and to find information through simple sort or search techniques
- 5413 06 Knows how formats differ among software applications (e.g., word processing files, database files) and hardware platforms (e.g., Macintosh, Windows)

TE03 Uses and transfers technological knowledge and skills for life roles

- 7298 01 Describes how technological advances have impacted society and the environment

TE04 Uses technology to input, retrieve, organize, manipulate, evaluate, and communicate information

- 7289 01 Interpret, analyze and evaluate information with the assistance of technology (e.g., voice, data, video, graphics, etc.)
- 7290 02 Retrieve and communicate information using a technological system (e.g., voice, data, video, graphics. etc)

TE05 Applies technology to critical thinking, creative expression, and decision making skills

- 7291 01 Use technology to communicate a solution for a variety of purposes (e.g. voice, data, video, graphics, etc.)

TE06 Uses resources and processes to create, maintain, and improve products, systems, and environments

- 5419 01 Identifies a simple problem that can be solved using technology
- 5420 02 Knows constraints that must be considered when designing a solution to a problem

(e.g., cost, materials, time, space, safety, scientific laws, engineering principles, construction techniques, appearance, environmental impact, what will happen if the solution fails)

5421 03 Implements proposed solutions using appropriate tools, techniques, and quantitative measurements

5422 04 Evaluates a product or design (e.g., considers how well the product or design met the challenge to solve a problem; considers the ability of the product or design to meet constraints), and makes modifications based on results

TE07 Applies ethical and legal standards in planning, using, and evaluating technology

5417 01 Understands the concept of software piracy (e. g., illegally copying software), and that piracy is a violation of copyright laws