

### Technology and Instruction

The Board of Education believes that the effective use and integration of educational technology is a key factor in improving student achievement, achieving equity, and in producing a competent and technologically literate workforce to promote economic growth as stated in *Connecticut Prekindergarten Through Grade 12 Computer Technology Competency Standards for Students*. Therefore, in addition to instructional materials and audio-visual materials, an increasing field of technological aids and equipment become integral parts of the district's instructional programs. Computers, telecommunications equipment and laser technology all have a variety of applications across the curricula.

Every student of North Canaan Elementary School must demonstrate proficiency in the use of technology to find, organize, and communicate information. This necessitates the need for all students to participate in a planned, sequential, and ongoing program of instructional activities designed to enable them to master the skills and content pertaining to the technology curriculum/competencies. Such skills and content shall be taught and applied in the context of the general curriculum and supplemented in the library media center of the school.

It is North Canaan Elementary School's goal to provide students with rich and ample opportunities to use technology for important purposes in schools just as individuals use technology in the workplace and in other real-life settings. Curriculum and instruction should drive the appropriate selection of and access to technology used in the classroom. Teachers are expected to engage in appropriate technology-specific learning in order to fully utilize and integrate technology into curriculum and instruction.

When budgeting for computers and related technology, the Board may seek outside funding for computer hardware and software, as well as funds for training programs. Cooperative purchasing/leasing agreements through the education service district are another means of economizing.

As foundational technology skills permeate our society, students will be expected to apply the basics in authentic, integrated ways to solve problems, complete projects, and creatively extend their abilities.

Technology standards identify several higher-order thinking skills and digital citizenship as critical for students to learn effectively for a lifetime and live productively in our emerging global society. These areas include the ability to do the following:

- Demonstrate creativity and innovation
- Communicate and collaborate
- Conduct research and use information
- Think critically, solve problems, and make decisions
- Use technology effectively and productively

(cf. 5123 - Promotion/Acceleration/Retention)

Legal References: Connecticut General Statutes

10-221a High school graduation requirements

10-221 (b) Board of education to prescribe rules

Public Act No.00-187 - An Act Concerning Education Aid, Sec. 44(a) (b)

Adopted: December 8, 2011

Revised: April 20, 2021

NORTH CANAAN BOARD OF EDUCATION

North Canaan, Connecticut