

Teaching & Technology

Bancroft affirms the essential role of technology in fulfilling the mission of the school.

We will foster an academic culture that sustains discourse around the exploration and application of technology as a learning resource.

We will expand students' use of technology in academically appropriate and effective ways.

We will enhance the learning process through the meaningful infusion of technology.

We will develop, establish and maintain systems and procedures that ensure efficient institutional operation.



Contact Information

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<http://www.bancroftschool.org>

Infrastructure

Bancroft provides its students, faculty, and staff with state-of-the-art technology tools to support their learning, teaching, and job responsibilities. Our essential servers, routers, and switches are located in a secure, environmentally controlled, and monitored Data Center. While this Data Center meets our current educational and administrative technology needs and requirements, we have designed it for future growth and expansion.

Workstations (225), laptops (75), scanners (8), printer (34), digital still and video cameras (15) and projectors (27) are upgraded every three to four years, while servers (18) and other network hardware are upgraded every two years.

Our community has access to the latest on-line research tools and databases from either the library, or any computer on campus.

The school's Local Area Network (LAN) is comprised of a fiber-optic backbone that connects all of our campus buildings, which our users can access via either a traditional ethernet jack in the wall, or through any one of our secure Wireless Fidelity access points.

Our Wide Area Network T-1 access is provided to us by one of New England's largest and most reliable Internet Service Providers.

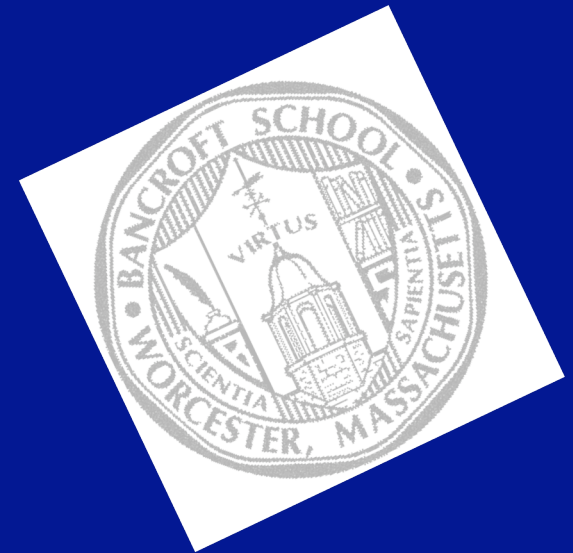
To better protect our community and to optimize our bandwidth for educational purposes, Bancroft uses to a subscription-based web filtering program called Websense.

Websense has separated the broad spectrum of Internet URL addresses into 33 categories which are updated daily. To learn more about [Websense](#) or these [categories](#) please visit;

<http://www.websense.com/global/en/>.

Technology @ Bancroft School

2007-08



Lower School Technology Curriculum



Bancroft Lower School students attend regularly scheduled Technology Classes.

The focus of this technology curriculum is on developing problem solving and logical thinking skills.

Starting in the first grade, students learn the LOGO programming language by working in the MicroWorlds software environment.

- First grade students learn basic commands;
- Second and Third graders put those commands together to create simple programs;
- By the Fourth grade they are creating interactive board games; and
- In the Fifth grade students are designing and implementing their own interactive video games.

Throughout a student's Lower School experience, integrated into a classroom assignment, students learn to use other software tools: Kid Pix, Word, PowerPoint, as well as to keyboard in the fourth and fifth grades.

Middle School Technology Curriculum

All Middle School students regularly use technology in their academic classes under the supervision of their classroom teachers, as well as in the library as they do research. There are 54 wireless laptops and an eighteen-station computer lab available for their use.

While seventh graders use technology in their classes, they also attend a regularly scheduled Multimedia Communications class. The purpose of this class is to polish their PowerPoint and Excel skills and help them develop their own oral presentation talents.

During the winter and spring trimesters, after their eighth grade play, the eighth graders elect mini-classes. Some of these classes are technology based, like: web development, video production, MS yearbook, virtual reality, and graphics.

Special Programs

During the school year on Saturday mornings and during the summer months, mini technology-based courses are offered on a fee basis to any students whether they attend Bancroft or not.



Upper School Technology Curriculum

In the Upper School, technology is not taught as a separate class, it is integrated into the curriculum as a tool to positively impact the teaching of our teachers and learning of our students in all disciplines.

We do offer the following electives:

- Digital Photography
- Computer Graphics
- Intro to JAVA programming
- AP JAVA programming

Our students also create and publish their own school newspaper and school yearbook.



Professional Development

To facilitate our teacher, staff, and administration being prepared to use the wide variety of technology tools and software provided, Bancroft offers on-going repetitive technology professional development training opportunities. Our intranet also has an ever-increasing list of how to's, as well as links to third party web pages that provide specific skill and tool training.