

TECHNOLOGY PLAN**Contents**

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Overview

There exists a mandate from parents, employers, communities, and our nation to produce technology capable students. Students must be able to effectively use technology in our complex and information intensive environment. Technology can help students become:

- capable information users
- information seekers, analyzers, and evaluators
- problem solvers and decision makers
- creative and effective users of productivity tools
- communicators, collaborators, publishers, and producers

Learning depends on more than just technology. The right learning environment must also be present. A vision for technology paired with a commitment to implementation as well as a sound curriculum, support for integration, technical assistance, and skilled teachers are all necessary ingredients for the success of any technology plan.

Traditional teaching methods must be augmented with new strategies to produce a learning environment conducive to the acquisition of technology related skills. Effectively combining the available technology with new teaching strategies will produce new learning environments:

- teacher-centered instruction becomes student-centered instruction
- single-sense stimulation becomes multisensory stimulation
- single-media becomes multimedia
- isolated work becomes collaborative work
- information delivery becomes information exchange
- factual, knowledge-based learning becomes critical thinking and informed decision making
- isolated, artificial context becomes authentic, real-world context

There is an abundance of computer hardware and software available to businesses and schools today. The acquisition of technology at HCJH will be driven by the following criteria:

- increase student learning
- improve technology competency of students
- improve productivity of students and staff
- improve effectiveness of classroom instruction

Staff and students must be trained in the use of the available technology to achieve the desired objectives:

- increase student learning
- improve technology competency of students
- improve productivity of students and staff
- improve effectiveness of classroom instruction

TECHNOLOGY PLAN**National Educational Technology Standards for Students****1. Basic operations and concepts**

- Students demonstrate a sound understanding of the nature and operation of technology systems.
- Students are proficient in the use of technology.

2. Social, ethical, and human issues

- Students understand the ethical, cultural, and societal issues related to technology.
- Students practice responsible use of technology systems, information, and software.
- Students develop positive attitudes towards technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

3. Technology productivity tools

- Students use technology tools to enhance learning, increase productivity, and promote creativity.
- Students use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works.

4. Technology communications tools

- Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.
- Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

5. Technology research tools

- Students use technology to locate, evaluate, and collect information from a variety of sources.
- Students use technology tools to process data and report results.
- Students evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

6. Technology problem-solving and decision-making tools

- Students use technology resources for solving problems and making informed decisions.
- Students employ technology in the development of strategies for solving problems in the real world.

TECHNOLOGY PLAN**Technology Inventory**

The technology at HCJH can be divided into four physical areas: computer lab, library/media center, classrooms, and administration.

Computer Lab

Hardware

- maximum of 37 student workstations
- Internet access
- shared printing
- multimedia capable: video and audio capture and recording
- local scanner/ printer
- local color printer
- computer lab server
- mimio device
- LCD projector
- CD/DVD Duplicator

Software

- MS Office 2007
- Typing Instruction
- Web publishing
- Video editing and DVD production
- Accelerated Reader and Star Reading
- Internet filter software
- Photoshop Elements
- Crosstech Instructor Demo software
- Learnia Testing software for math and English

Staffing

- Full-time computer teacher/technical support
- after school access
- teacher support for core academic classes

Use

- Available during core academic courses for mandated use
- open to students at lunch and after school
- keyboarding everyday during 6th period
- mini-courses MWF during 7th and 8th periods
- elective courses TTH during 7th and 8th periods
- optional after-school program (video yearbook)
- computer academy for teachers and staff (summer and evenings)

Library

Hardware

- cluster of 2 to 4 computers
- Internet access
- shared printing

Software

- Library management software
- MS Office 2007

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- Accelerated Reader

Staffing

- part-time Librarian

Use

- open to students from 7:30 am to 3:30 pm every day

Classrooms
Hardware

- 4 student computers (AR access in English classrooms)
- 1 teacher computer
- Mimio devices
- LCD projectors
- Television
- computer projection to TV

Software

- MS Office 2003
- Web-based periodical subscription
- Accelerated Reader and Star Reading
- Web publishing
- Grade program

Use

- classroom demonstrations
- presentations
- research and collaborative projects
- instructional support

Administration
Hardware

- Server
- Desktop computers
- Printers

Software

- MS Office 2003
- School Information System
- Grade program
- Web publishing

Use

- School productivity

School-wide
Hardware

- Internet filter
- Redundant wireless network
- Shared folders
- Back-up systems
- LCD projectors

Software

- Virus protection

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Technology Vision & Implementation

<p>2008-2009</p>	<ul style="list-style-type: none"> • implement new school information system • expand paperless communication efforts • expand surveys • monitor technology maintenance demands • continue to evaluate parent/student use of resources • evaluate online curriculum resources and subscriptions • evaluate the benefit of a mobile notebook PC cart • provide on-site training for classroom teachers
<p>2009-2010</p>	<ul style="list-style-type: none"> • fully implement school information system <ul style="list-style-type: none"> ○ activate parent portal ○ online grades and transcripts ○ online payments ○ electronic attendance reporting • acquire additional LCD projectors for classroom use • evaluate benefit of fiber backbone • continue monitor technology maintenance demands • continue to evaluate parent/student use of resources • evaluate and implement online curriculum resources • acquire a mobile notebook PC cart • provide on-site training for classroom teachers
<p>2010-2011</p>	<ul style="list-style-type: none"> • continue monitor technology maintenance demands • continue to evaluate parent/student use of resources • continue to evaluate online curriculum resources • provide on-site training for classroom teachers
<p>2011-2012</p>	<ul style="list-style-type: none"> • continue monitor technology maintenance demands • continue to evaluate parent/student use of resources • continue to evaluate online curriculum resources • provide on-site training for classroom teachers

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