

# **Carmel Central School District Technology Plan July 1, 2014 – June 30, 2019**

## **Table of Contents**

<b>Introduction</b>	<b>Page 1</b>
<b>Goals and Objectives</b>	<b>Page 2</b>
<b>Assessment of Current Technology Hardware</b>	<b>Page 5</b>
<b>Staff Development</b>	<b>Page 6</b>
<b>Budget</b>	<b>Page 7</b>
<b>Review and Evaluation Process</b>	<b>Page 8</b>
<b>Appendices</b>	<b>Page 9</b>

## **District Technology Committee Members**

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Zulauf, Jacqueline  
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# Introduction

This plan is intended to guide the Carmel Central School District's technology-related decisions during the five years of July 1, 2014 through June 30, 2019.

The plan is the collective effort of the members of the district's Technology Committee. This team is comprised of teachers, administrators, teaching assistants and library media specialists. It is the result of an ongoing effort by the Carmel Central School District to describe and support the integration of technology into every appropriate endeavor of staff, students, parents and interested community members.

Due to the rapid rate of technological change, a five-year technology plan must be flexible. This plan will be reviewed at regular intervals to ensure it remains relevant.

The Technology Committee recognizes that technology integration is subject to funding, which is not guaranteed year-to-year. However, the plan provides a direction regardless of the rate at which it can be implemented.

# Goals and Objectives

## Introduction

The goals set forth in this plan indicate a direction that may be pursued at whatever pace funding and staffing levels allow. To support movement toward these goals, annual measurable objectives will be set by the technology committee. There are also certain requirements (or assumptions) that have been made about district technology infrastructure and staffing levels. Details follow.

## Goals

- All students will have the opportunity to use “learning technologies” to access and analyze information in ways that develop higher order thinking skills, increase their ability to use technology as a tool in solving problems, and support their confident use of the technology skills they will need for success in college and careers.
- All teachers will have access to staff development to enhance their ability to use “learning technologies” effectively to support student achievement as indicated by the curriculum.
- All administrators will be technologically literate and have access to ongoing staff development as needed. They will provide leadership in integrating technology into curriculum, instruction, and student learning activities and will have access to technology resources that support them in developing management systems and in creating a school climate and culture that results in high student achievement.
- All parents will have access to information to help them monitor and reinforce the instruction their child receives at school. Parents will have the opportunity to access information about their child’s schedules, curricula, outcomes and activities that can help them assist their education at home. When appropriate, information will be provided in an electronic format.
- All community members will have access to information about the school district, including programs of general interest, information about operations and expenses, continuing education programs, access to district facilities, announcements of interest to the community and contact information for school officials.

## Objectives

Each year, the Technology Committee will work with other committees, as specified in the "Review and Evaluation Process" section, to set annual measurable objectives that will move us toward our goals. These objectives will then be reviewed. The results of these reviews will be considered when setting objectives for the next fiscal year.

## Requirements

- That technology support personnel and repair/replacement funding will be sufficient to keep the district's investment in hardware and software in good working order year-to-year.
- The appropriate funding to keep existing technology up to date.
- That Internet access will be available; where they need it and at sufficient data transfer speeds to support necessary applications.
- That there will be hardware available to teachers and students to provide access to the internet as well as display multi-media and internet content on a large screen for whole-class instruction as budget permits.
- That sufficient access to computer hardware and software will exist such that curriculum goals are supported.
- That secure electronic repositories will be provided for students and staff to store their work.
- **That hardware will be replaced when it has reached the end of its lifespan.** Each item has an industry-accepted lifespan. This is not a date by which the item has been outpaced by a newer, better item; it is a date after which the item will no longer function without unacceptably high maintenance costs. In short, "lifespan" is the number of years an item is expected to be in service before it must be replaced.
- **That the district has a minimum technology requirement for each classroom.** The minimum requirement the district has been working toward for the last five years is: a computer connected to the Internet; a projector and interactive white board in every classroom and appropriate audio.

## **Internet Safety**

For our technology protection measure (Internet filtering software), we are currently using Astaro. This software protects against access by adults and minors to visual depictions that are obscene, child pornography, or (with respect to use of computers with Internet access by minors) harmful to minors. However, it is impossible to control all materials on a global network that users may discover. The District believes that the valuable information and interaction available on this worldwide network far outweighs the possibility that users may procure material that is not consistent with the educational goals of the Carmel Central School District. The software may be modified for adults engaged in bona fide research or other lawful purposes. Our district policy includes monitoring the online activities of all users.

Our Internet Safety Policy addresses the following as required by CIPA:

- a. access by minors to inappropriate matter on the Internet and World Wide Web;
- b. the safety and security of minors when using electronic mail, chat rooms, and other forms of direct electronic communications;
- c. unauthorized access, including so called “hacking”, and other unlawful activities by minors online;
- d. unauthorized disclosure, use, and dissemination of personal information regarding minors;
- e. measures designed to restrict minors’ access to materials harmful to minors; and
- f. educating minors about appropriate online behavior, including interacting with other individuals on social networking websites and in chat rooms and cyber bullying awareness and response.

# Assessment of Current Technology Hardware

**Introduction**

The following chart shows the current distribution of the hardware located throughout the district.

	<b>CHS</b>	<b>GFMS</b>	<b>MPES</b>	<b>KES</b>	<b>KPS</b>	<b>DO/BOE</b>	<b>TRANS</b>		<b>TOTAL</b>
<b>PC's</b>	486	256	124	118	115	54	9		1162
<b>Printers</b>	193	139	55	53	45	57	3		545
<b>Projectors</b>	29	6	0	5	1	4	0		45
<b>Smartboards &amp; Projectors</b>	53	81	36	26	24	1	0		221
<b>Laptops</b>	98	78	28	18	29	67	3		321
<b>Tablets</b>	49	32	23	24	27	27	0		182

# Staff Development

Staff development that supports the Goals of the Five Year Technology Plan will be developed through the District Technology Committee and implemented with the assistance of the professional growth coordinators and the elementary and secondary councils.

Each year the professional growth coordinators work with the elementary and secondary councils to articulate professional development. This support includes outside conferences, in school workshops, mentoring, one-on-one training, summer institutes, summer curriculum workshops and collaboration sessions.

Technology Staff Development is designed to support teachers so that they are able to successfully help students meet the goals and objectives of the District Five Year Technology Plan. It is differentiated to meet the needs of teachers who have a wide variety of technological skills and who are at varying levels of technology curriculum integration. In addition to the types of learning resources listed earlier, the District may also contract with consultants who are available for individual and large group training as well as faculty collaboration in integrating technology into District curriculum content.

The Elementary and Secondary Councils will also work with the Technology Committee to create Annual Measurable Objectives to ensure that district curricula support the District's Scope & Sequence of Technology Skills as well as the tenets of this plan.

# Budget

## Technology Budget for 2014– 2015 School Year

Type	Budget Code	2014 – 2015	Notes
Maintenance (Internet)	A1680.434-06	\$106,420	Cost of Internet Services
Consultants	A1680.445-06	\$107,500	Supplemental Support
Computer Support OT	A2630.167-06-0008	\$3,000	Misc. Personnel Costs, if any
Computer Equipment	A2630.210-06	\$20,000	Individual Items > \$1000
Micro Repairs	A2630.410-06	\$65,000	Repairs
BOCES Technology Services	A2630.490-06	\$621,500	BOCES Services
Microcomputer Software	A2630.510-06	\$232,555	Various Software Licenses
Software Non-Public	A2630.510-07	\$2,500	Software for Private Schools
Computer Supplies District	A2630.511-06	\$100,000	New PC's + Misc. Hardware
<b>Total Technology</b>		<b>\$1,258,475</b>	

# Review and Evaluation Process

The review and evaluation of how well the district is moving toward the goals set forth in this plan will be an ongoing process supported by the collaboration of several key district groups: The Elementary and Secondary Councils (PDP); and the Technology Committee. The roles of each group are:

## **Elementary and Secondary Councils**

Elementary and Secondary Councils are comprised of Department Chairs and other key teaching staff members who will evaluate how well the District has supported the Scope & Sequence of Technology skills. Additionally they will help to measure the success of our staff development efforts both against their own initiatives and against those developed in conjunction with the Technology Committee.

These groups will also evaluate the success of the annual measurable objectives as described in the "Staff Development" section of this plan.

## **Technology Committee**

On an annual basis, the Technology Committee will review progress toward the annual, measurable goals and objectives that have been set, that year's technology budget and any other technology initiatives undertaken by the district.

# Appendices

## **Introduction**

This section contains the spreadsheet used to make the projections contained in the body of this plan.

## **Appendix A – Assessment of Current Technology Hardware**

This chart shows the hardware currently deployed in the district as of June, 2014.

## **Appendix B - Budget**

This chart shows a summary of the Technology Budget for the 2014-2015 budget year.

## **Appendix C – Budget Projections**

This chart shows projected budget requests over a five year period. These projections include technology initiatives currently being discussed in the district.

## **Appendix D – Policies and Regulations**

These are the current policies and corresponding regulations adopted by the BOE.

**Appendix A Technology Budget Requests Projected Over Five Years**

Type	Budget Code	Approved Amount 2014-2015	Projected Budget 2015 - 2016	Projected Budget 2016 - 2017	Projected Budget 2017-2018	Projected Budget 2018 - 2019
Maintenance (Internet) *	A 1680.434-06	\$106,420	\$	\$	\$	\$
Consultants *	A 1680.445-06	\$107,500	\$	\$	\$	\$
Computer Support OT	A 2630.167-06-0008	\$3,000	\$	\$	\$	\$
Computer Equipment *	A 2630.210-06	\$20,000	\$	\$	\$	\$
Micro Repairs *	A 2630.410-06	\$65,000	\$	\$	\$	\$
BOCES Technology Services *	A 2630.490-06	\$621,500	\$	\$	\$	\$
Microcomputer Software *	A 2630.510-06	\$232,555	\$	\$	\$	\$
Software - Non-Public *	A 2630.510-07	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
Computer Supplies District *	A 2630.511-06	\$100,000	\$	\$	\$	\$
<b>Total Technology</b>		<b>\$1,258,475</b>	<b>\$</b>			